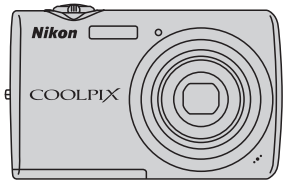
Nikon

DIGITAL CAMERA

COOLPIX S220/S225

User's Manual



En

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- The SD logo is a trademark of the SD Card Association.
- PictBridge is a trademark.
- All other trade names mentioned in this manual or the other documentation provided with your Nikon product are trademarks or registered trademarks of their respective holders.

Introduction

First Steps

 Basic Photography and Playback: Auto Mode

 Shooting Suited for the Scene

 Automatic Shooting of a Smiling Face

 More on Playback

 Movies

 Voice Recordings

Connecting to Televisions, Computers and Printers

MENU Shooting, Playback and Setup Menus

Technical Notes

For Your Safety

To prevent damage to your Nikon product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use the product will read them.

The consequences that could result from failure to observe the precautions listed in this section are indicated by the following symbol:



This icon marks warnings, information that should be read before using this Nikon product, to prevent possible injury.

WARNINGS

⚠ Turn off in the event of malfunction

Should you notice smoke or an unusual smell coming from the camera or AC adapter, unplug the AC adapter and remove the battery immediately, taking care to avoid burns. Continued operation could result in injury. After removing or disconnecting the power source, take the equipment to a Nikon-authorized service representative for inspection.

⚠ Do not disassemble

Touching the internal parts of the camera or AC adapter could result in injury. Repairs should be performed only by qualified technicians. Should the camera or AC adapter break open as the result of a fall or other accident, take the product to a Nikon-authorized service representative for inspection, after unplugging the product and/or removing the battery.

⚠ Do not use the camera or AC adapter in the presence of flammable gas

Do not use electronic equipment in the presence of flammable gas, as this could result in explosion or fire.

⚠ Handle the camera strap with care

Never place the strap around the neck of an infant or child.

⚠ Keep out of reach of children

Particular care should be taken to prevent infants from putting the battery or other small parts into their mouths.

⚠ Observe caution when handling the battery

The battery may leak or explode if improperly handled. Observe the following precautions when handling the battery for use in this product:

- Before replacing the battery, turn the product off. If you are using the AC adapter, be sure it is unplugged.
- Only use a Rechargeable Li-ion Battery EN-EL10 (supplied). Charge the battery by inserting it in a Battery Charger MH-63 (supplied).
- When inserting the battery, do not attempt to insert it upside down or backwards.
- Do not short or disassemble the battery or attempt to remove or break the battery insulation or casing.
- Do not expose the battery to flame or to excessive heat.
- Do not immerse in or expose to water.
- Return the battery to the battery case for transportation. Do not transport or store with metal objects such as necklaces or hairpins.
- The battery is prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the battery when no charge remains.
- Discontinue use immediately should you notice any change in the battery, such as discoloration or deformation.
- If liquid from the damaged battery comes in contact with clothing or skin, rinse immediately with plenty of water.

⚠ Observe the following precautions when handling the battery charger

- Keep dry. Failure to observe this precaution could result in fire or electric shock.
- Dust on or near the metal parts of the plug should be removed with a dry cloth. Continued use could result in fire.
- Do not handle the power cable or go near the battery charger during lightning storms. Failure to observe this precaution could result in electric shock.
- Do not damage, modify, forcibly tug or bend the power cable, place it under heavy objects, or expose it to heat or flames. Should the insulation be damaged and the wires become exposed, take it to a Nikon-authorized service representative for inspection. Failure to observe these precautions could result in fire or electric shock.
- Do not handle the plug or battery charger with wet hands. Failure to observe this precaution could result in electric shock.
- Do not use with travel converters or adapters designed to convert from one voltage to another or with DC-to-AC inverters. Failure to observe this precaution could damage the product or cause overheating or fire.

⚠ Use appropriate cables

When connecting cables to the input and output jacks, use only the cables provided or sold by Nikon for the purpose, to maintain compliance with product regulations.

⚠ Handle moving parts with care

Be careful that your fingers or other objects are not pinched by the lens cover or other moving parts.

⚠ CD-ROMs

The CD-ROMs supplied with this device should not be played back on audio CD equipment. Playing CD-ROMs on an audio CD player could cause hearing loss or damage the equipment.

⚠ Observe caution when using the flash

Using the flash close to your subject's eyes could cause temporary visual impairment. Particular care should be observed if photographing infants, when the flash should be no less than one meter (3 ft. 4 in.) from the subject.

⚠ Do not operate the flash with the flash window touching a person or object

Failure to observe this precaution could result in burns or fire.

⚠ Avoid contact with liquid crystal

Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent liquid crystal from the monitor touching the skin or entering the eyes or mouth.

Notice for Customers in the U.S.A.

Federal Communications Commission (FCC) Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.



CAUTIONS

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Nikon Corporation may void the user's authority to operate the equipment.

Interface Cables

Use the interface cables sold or provided by Nikon for your equipment. Using other interface cables may exceed the limits of Class B Part 15 of the FCC rules.

Notice for customers in the State of California

WARNING

Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm.

Wash hands after handling.

Nikon Inc.,

1300 Walt Whitman Road
Melville, New York 11747-3064
USA

Tel: 631-547-4200

Notice for customers in Canada

CAUTION

This Class B digital apparatus complies with Canadian ICES-003.

ATTENTION

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Notice for customers in Europe



This symbol indicates that this product is to be collected separately.

The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.



This symbol on the battery indicates that the battery is to be collected separately.

The following apply only to users in European countries:

- All batteries, whether marked with this symbol or not, are designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.

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About This Manual

Thank you for your purchase of a Nikon COOLPIX S220/S225 digital camera. This manual was written to help you enjoy taking pictures with your Nikon digital camera. Read this manual thoroughly before use, and keep it where all those who use the product will read it.

Symbols and Conventions

To make it easier to find the information you need, the following symbols and conventions are used:

This icon marks cautions, information that should be read before use, to prevent damage to the camera.	This icon marks tips, additional information that may be helpful when using the camera.
This icon marks notes, information that should be read before using the camera.	This icon indicates that more information is available elsewhere in this manual or in the *Quick Start Guide*.

Notations

- A Secure Digital (SD) memory card is referred to as a "memory card."
- The setting at the time of purchase is referred to as the "default setting."
- The names of menu items displayed in the camera monitor, and the names of buttons or messages displayed in the computer monitor appear in bold.

Screen Samples

In this manual, images are sometimes omitted from monitor display samples so that monitor indicators can be more clearly shown.

Illustrations and Screen Display

Illustrations and text displays shown in this manual may differ from actual display.

Internal Memory and Memory Cards

Pictures taken with this camera can be stored in the camera's internal memory or on removable memory cards. If a memory card is inserted, all new pictures will be stored on the memory card and delete, playback and format operations will apply only to the pictures on the memory card. The memory card must be removed before the internal memory can be formatted or used to store pictures to, or delete, or view pictures.

Life-Long Learning

As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually updated information is available online at the following sites:

- For users in the U.S.A.: *http://www.nikonusa.com/*
- For users in Europe and Africa: *http://www.europe-nikon.com/support/*
- For users in Asia, Oceania, and the Middle East: *http://www.nikon-asia.com/*

Visit these sites to keep up-to-date with the latest product information, tips, answers to frequently asked questions (FAQs), and general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. See the URL below for contact information:

http://imaging.nikon.com/

Use Only Nikon Brand Electronic Accessories

Nikon COOLPIX cameras are designed to the highest standards and include complex electronic circuitry. Only Nikon brand electronic accessories (including battery chargers, batteries and AC adapters) certified by Nikon specifically for use with this Nikon digital camera are engineered and proven to operate within the operational and safety requirements of this electronic circuitry.

THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY.

The use of third-party rechargeable Li-ion batteries not bearing the Nikon holographic seal could interfere with normal operation of the camera or result in the batteries overheating, igniting, rupturing, or leaking.

For more information about Nikon brand accessories, contact a local authorized Nikon dealer.



Holographic seal: Identifies this device as an authentic Nikon product.

Before Taking Important Pictures

Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning normally. Nikon will not be held liable for damages or lost profits that may result from product malfunction.

About the Manuals

- No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.
- Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice.
- Nikon will not be held liable for any damages resulting from the use of this product.
- While every effort was made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately).

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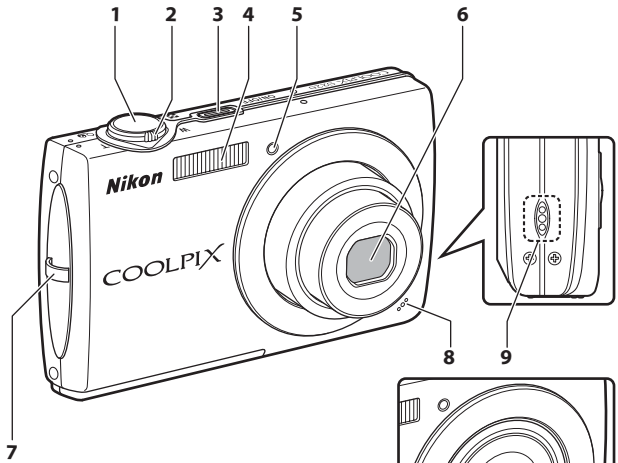
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 Do not copy or reproduce paper money, coins, securities, government bonds or local government bonds, even if such copies or reproductions are stamped "Sample." The copying or reproduction of paper money, coins, or securities which are circulated in a foreign country is prohibited. Unless the prior permission of the government was obtained, the copying or reproduction of unused postage stamps or post cards issued by the government is prohibited. The copying or reproduction of stamps issued by the government and of certified documents stipulated by law is prohibited.
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Disposing of Data Storage Devices

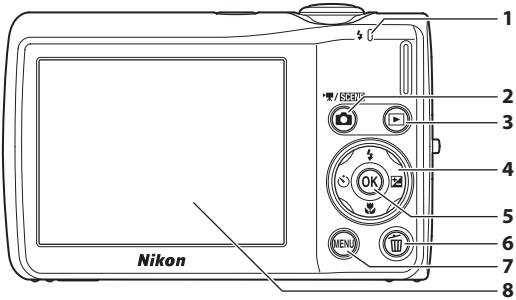
Please note that deleting images or formatting data storage devices such as memory cards or built-in camera memory does not completely erase the original image data. Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal image data. Ensuring the privacy of such data is the user's responsibility.

Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for the welcome screen (📖 114). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.

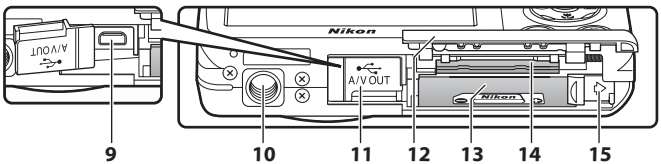
The Camera Body



1	Shutter-release button 24	4	Built-in flash 28
2	Zoom control 23 W : wide 23 T : tele 23 : thumbnail playback 47 : playback zoom 49 : help 11	5	Self-timer lamp 30
		6	Lens 133, 144
		7	Eyelet for camera strap 11
		8	Built-in microphone 55, 70, 74
		9	Speaker 56, 73, 76
3	Power switch/Power-on lamp 20, 122	10	Lens cover 131



Opening the pin cover



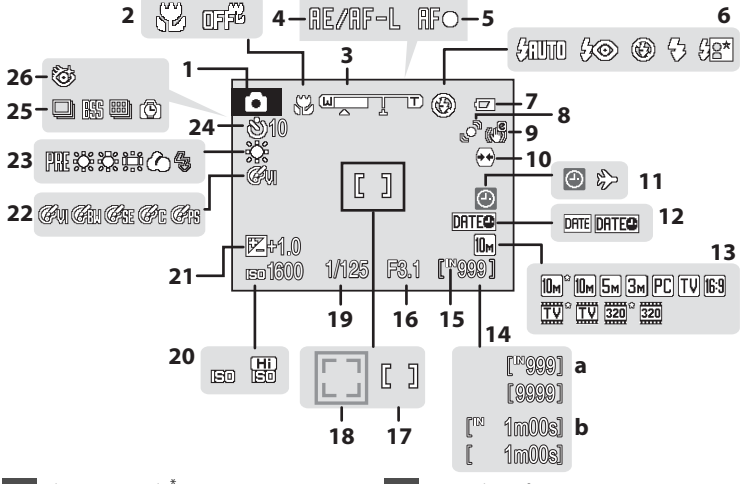
1	Indicator lamp 74 Flash lamp 29	9	Cable connector 79, 81, 85
2	(shooting mode) button 8	10	Tripod socket
3	(playback) button 8, 26	11	Pin/power connector cover 79, 81, 85, 129
4	Multi selector 9	12	Battery-chamber/ memory card slot cover 14, 18
5	(apply selection) button 9	13	Battery-chamber 14
6	(delete) button 26, 27, 56, 73, 77	14	Memory card slot 18
7	MENU button 10, 33, 71, 92, 105, 112	15	Battery latch 14, 15
8	Monitor 6		

The Monitor

The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings).

The indicators that appear in the monitor during shooting and playback disappear after a few seconds (🕮 118).

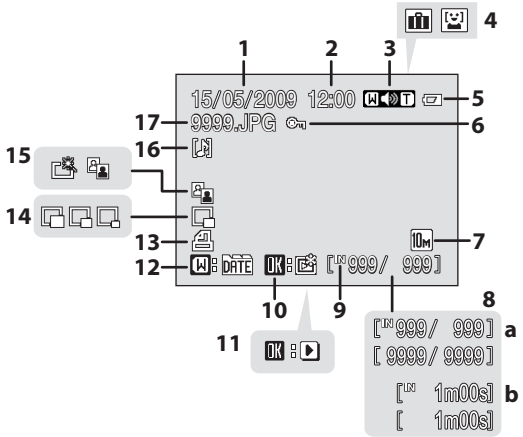
Shooting



1	Shooting mode*	20, 33, 45, 70
2	Macro mode	31
3	Zoom indicator	23, 31
4	AE/AF-L indicator	44
5	Focus indicator	24
6	Flash mode	28
7	Battery level indicator	20
8	Motion detection icon	21, 120
9	Electronic VR icon	113
10	Distortion control icon	103
11	"Date not set" indicator Time zone indicator	134 115
12	Date imprint	119
13	Image mode Movie options	93 71
14	a Number of exposures remaining (still pictures) b Movie length	20 70
15	Internal memory indicator	21
16	Aperture	24
17	Focus area	24, 100
18	Focus area (Face Priority)	24, 100
19	Shutter speed	24
20	ISO sensitivity	29, 99
21	Exposure compensation value	32
22	Color options	99
23	White balance mode	95
24	Self-timer indicator	30
25	Continuous shooting mode	97
26	Blink proof icon	46

* Differs according to the current shooting mode.

Playback

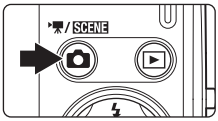


1	Date of recording	16
2	Time of recording	16
3	Volume indicator	55, 73, 76
4	Category icon in auto sort mode[1]	60
	Favorites folder icon in favorite pictures mode[1]	66
5	Battery level indicator	20
6	Protect icon	108
7	Image mode[2]	93
	Movie options[2]	71
8	a Current frame number/ total number of frames	26
	b Movie length	73
9	Internal memory indicator	26
10	Favorite pictures guide	65
11	Movie playback guide	73
12	List by date guide	57
13	Print set icon	90
14	Small picture icon	54
15	Quick retouch icon	51
	D-Lighting icon	52
16	Voice memo icon	56
17	File number and type	130

[1] The icon for the selected category in auto sort mode or the favorites folder currently selected in playback mode is displayed.

[2] Differs according to the settings configured during shooting.

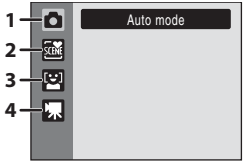
The (Shooting Mode) Button



- Press the button in playback mode to enter shooting mode.
- Press the button in shooting mode to display the shooting-mode selection menu.

The Shooting-mode Selection Menu

In the shooting-mode selection menu, use the multi selector to change the shooting mode.

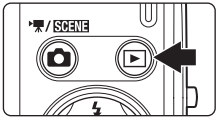


1. (auto) mode (20)
2. Scene mode* (33)
3. Smile mode (45)
4. Movie mode (70)

* The icon displayed differs depending upon the last scene mode selected.

To return to the shooting mode while the shooting-mode selection menu is displayed, press the button again.

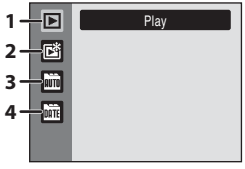
The (Playback) Button



- Press the button in shooting mode to enter playback mode.
- Press the button in playback mode to display the playback-mode selection menu.
- If the camera is turned off, hold down the button to turn the camera on in playback mode.

The Playback-mode Selection Menu

In the playback-mode selection menu, use the multi selector to change the playback mode.



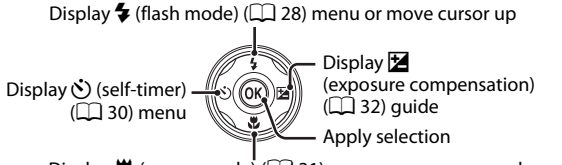
1. Playback mode (26)
2. Favorite pictures mode (63)
3. Auto sort mode (60)
4. List by date mode (57)

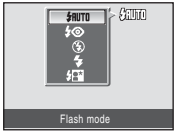
To return to the playback mode while the playback-mode selection menu is displayed, press the button again.

The Multi Selector

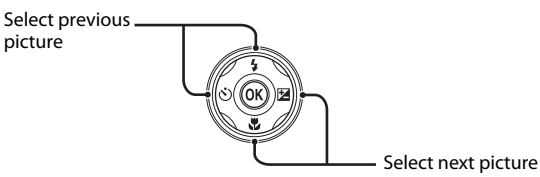
This section describes standard uses of the multi selector to select modes, select menu options and to apply selection.

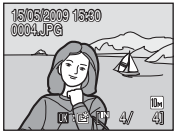
For Shooting



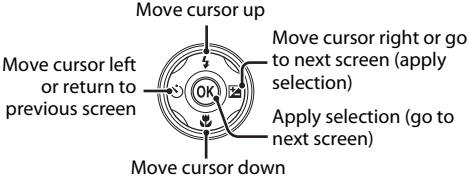


For Playback

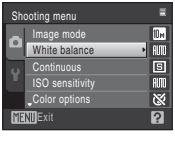




For the Menu Screen







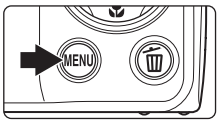
Note on the Multi Selector

In the manual, the button indicating up, down, left and right of the multi selector is shown as ▲, ▼, ◀ and ▶.

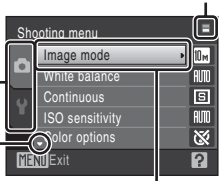
The MENU Button

Press the **MENU** button to display the menu for the selected mode.

- Use the multi selector to navigate the menus (📖 9).
- Choose the tab on the left to display the setup menu.
- Press the **MENU** button again to exit the menu.



Displayed when the menu contains two or more pages

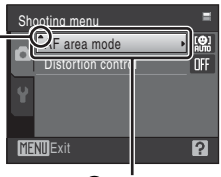


- Top tab: Display the available menus in the current mode
- Bottom tab: Display the setup menu

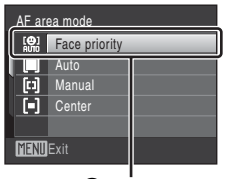
Displayed when there are one or more menu items to follow

The selected option

Displayed when there are more previous menu items

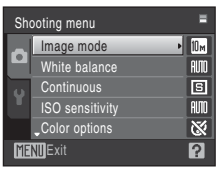


Press the OK button or the multi selector ▶ to proceed to the next set of options

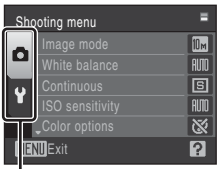


Press the OK button or the multi selector ▶ to apply selection

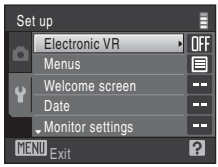
Switching Between Tabs



Press the multi selector ◀ to highlight the tab



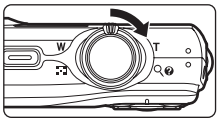
Press the multi selector ▲ or ▼ to select the tab, and press either the OK button or ▶

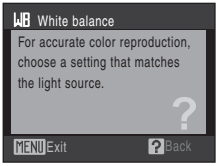


The selected menu is displayed

Help Displays

Rotate the zoom control to **T** (?) when ?/? is displayed at the lower right of the menu screen to view a description of the currently selected menu option. To return to the original menu, rotate the zoom control to **T** (?) again.





Shutter-release Button

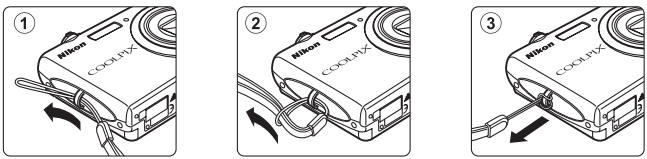
The camera features a two-stage shutter-release button. To set focus and exposure, press the shutter-release button halfway, stopping when you feel resistance. Focus and exposure lock while the shutter-release button is held in this position. To release the shutter and take a picture, press the shutter-release button the rest of the way down. Do not use force when pressing the shutter-release button, as this may result in camera shake and blurred pictures.



Press the shutter-release button halfway to set focus and exposure

Press the shutter-release button the rest of the way down to take picture

Attaching the Camera Strap



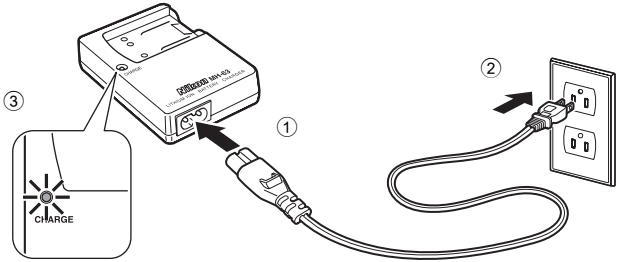
Charging the Battery

The camera uses a Rechargeable Li-ion Battery EN-EL10 (supplied).

Charge the battery with the Battery Charger MH-63 (supplied) before first use or when the battery is running low.

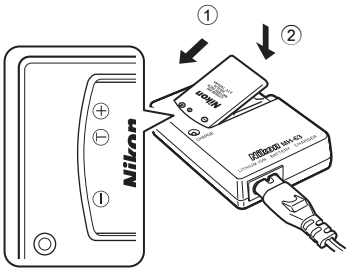
1 Connect the power cable.

Connect the power cable to the battery charger ① and insert the wall plug into a power outlet ②. The CHARGE lamp will light to show that the charger is on ③.



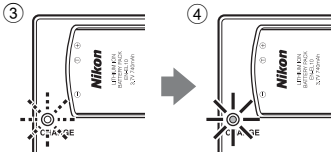
2 Charge the battery.

Insert the battery at an angle as shown ①, and set it in the battery charger ②.



CHARGE lamp starts blinking when battery is inserted ③. Charging is complete when lamp stops blinking ④.

About 100 minutes are required to charge a fully depleted battery.



The following chart explains CHARGE lamp status.

CHARGE lamp	Description
Blinks	Battery charging.
On	Battery fully charged.
Flickers	• The battery is not inserted correctly. Remove the battery and reinsert it into the battery charger so that the battery is lying flat. • Charge the battery indoors with an ambient temperature of 5 °C to 35 °C (41 °F to 95 °F) before use. • The battery is faulty. Stop charging immediately, unplug the charger, and take both the battery and charger to your retailer or Nikon service representative.

3 Remove the battery and unplug the charger when charging is complete.

Notes on the Battery Charger

- The supplied battery charger is for use only with the Rechargeable Li-ion Battery EN-EL10. Be sure to use only genuine Nikon brand rechargeable batteries.
- Be sure to read and follow the warnings for the battery charger on pages iii before using the battery charger.

Notes on the Battery

- Be sure to read and follow the warnings for the battery on page iii and the section, "The Battery" (📖 132), before using the battery.
- If the battery is not used for an extended period, recharge it at least once every six months and run it flat before returning it to storage.

AC Power Supply

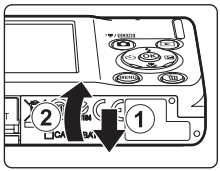
To power the camera continuously for extended periods, use an AC Adapter EH-62D (available separately from Nikon) (📖 129). Do not, under any circumstances, use another make or model of AC adapter. Failure to observe this precaution could result in overheating or in damage to the camera.

Inserting the Battery

Insert a Rechargeable Li-ion Battery EN-EL10 (supplied) into your camera.

- Charge the battery before the first use or when the battery is running low (📖 12).

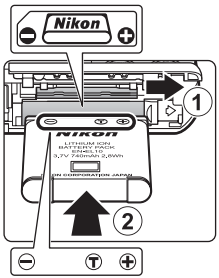
1 Open the battery-chamber/memory card slot cover.



2 Insert the battery.

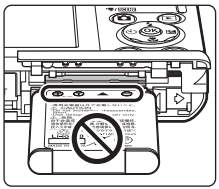
Confirm that the positive (+) and negative (–) terminals are oriented correctly as described on the label at the entrance of the battery chamber, and insert the battery.

Use the battery to push the orange battery latch in the direction indicated by the arrow ① and fully insert the battery ②. When the battery is fully inserted, the battery latch will lock it in place.

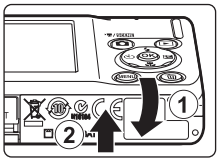


Inserting the Battery

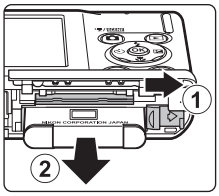
Inserting the battery upside down or backwards could damage the camera. Be sure to check the battery is in the correct orientation.



3 Close the battery-chamber/memory card slot cover.



Removing the Battery

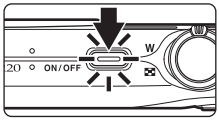


Turn the camera off and make sure that the power-on lamp and the monitor have gone out before opening the battery-chamber/memory card slot cover.

To eject the battery, open the battery-chamber/memory card slot cover and slide the orange battery latch in the direction indicated by the arrow ①. The battery can then be removed by hand ②.

- Note that the battery may become hot during use; observe due caution when removing the battery.

Turning On and Off the Camera



To turn on the camera, press the power switch. The power-on lamp (green) will light for a moment and the monitor will turn on.

To turn off the camera, press the power switch again.

When the camera is turned off, both the power-on lamp and monitor will turn off.

- If the camera is turned off, hold down the ▶ button to turn the camera on in playback mode.

Auto Power Off in Shooting Mode (Standby Mode)

If no operations are performed for about a minute (default setting), the monitor will turn off automatically and the camera will enter standby mode. If no operations are performed for another three minutes, the camera will turn off automatically (the auto off function).

Pressing the power switch, or the shutter-release button, while the monitor is off in standby mode will reactivate the monitor.

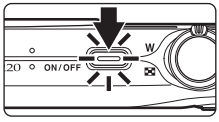
The time allowed to elapse from before the camera enters standby mode can be changed from the **Auto off** option (📖 122) in the setup menu (📖 111).

Setting Display Language, Date and Time

A language-selection dialog is displayed the first time the camera is turned on.

1 Press the power switch to turn on the camera.

The power-on lamp (green) will light for a moment and the monitor will turn on.



2 Use the multi selector to choose the desired language and press the ⓞ button.

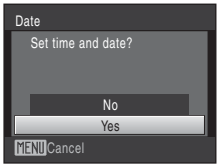
For information on using the multi selector, see "The Multi Selector" (🕮 9).





3 Choose **Yes** and press the ⓞ button.

If **No** is selected, the date and time will not be set.



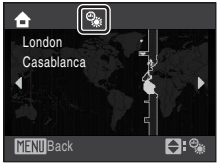
4 Press the multi selector ◀ or ▶ to select your home time zone (🕮 117) and press the ⓞ button.



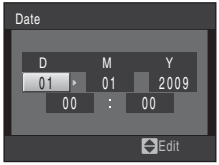
Daylight Saving Time

If daylight saving time is in effect, press the multi selector ▲ in the time zone selection screen displayed in step 4 to turn on the daylight saving time option.

When the daylight saving time option is enabled, is displayed at the top of the monitor. To turn off the daylight saving time option, press ▼.



5 Edit the date and time.

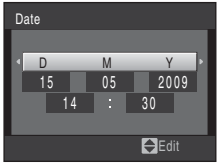


Press ▲ or ▼ to edit the highlighted item.

Press ▶ to move the highlight in the following order. **D** (day) → **M** (month) → **Y** (year) → hour → minute → **DMY** (the order in which the day, month, and year are displayed)

Press ◀ to return to the previous item.

6 Choose the order in which the day, month and year are displayed and press the ⓞ button or press ▶.



The settings are applied and monitor display exits to shooting mode.

Changing the Date and Time

- Select **Date** from the **Date** item (📖 115) in the setup menu (📖 111) to change the current date and time and follow the procedure described in step 5 above.
- Select **Time zone** from the **Date** item in the setup menu to change the time zone and daylight saving time settings (📖 115).

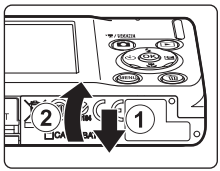
Inserting Memory Cards

Image, sound, and movie files are stored in the camera's internal memory (approximately 44 MB) or on removable Secure Digital (SD) memory cards (available separately) (🕮 129).

If a memory card is inserted in the camera, data are automatically stored on the memory card and data recorded to the memory card can be played back, deleted or transferred. Remove the memory card to store data in the internal memory, or play back, delete or transfer data from the internal memory.

1 Confirm the power-on lamp and the monitor are off and open the battery-chamber/ memory card slot cover.

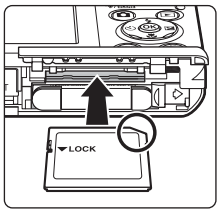
Be sure to turn off the camera before opening the battery-chamber/memory card slot cover.



2 Insert the memory card.

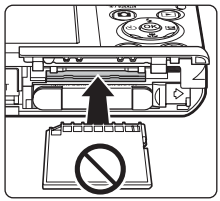
Slide the memory card in correctly until it clicks into place.

Close the battery-chamber/memory card slot cover.



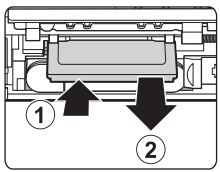
Inserting Memory Cards

Inserting the memory card upside down or backwards could damage the camera or the memory card. Be sure to check the memory card is in the correct orientation.

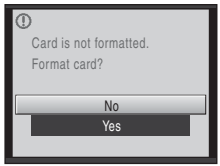


Removing Memory Cards

Before removing memory cards, turn the camera off and confirm that the power-on lamp and monitor are off. Open the battery-chamber/memory card slot cover and press the card in ① to partially eject the card. The card can then be removed by hand. Do not attempt to remove the card at an angle ②.



Formatting Memory Cards



If the message at right is displayed, the memory card must be formatted before use (📖 123). Note that ***formatting permanently deletes all pictures and other data on the memory card.*** Be sure to make copies of any pictures you wish to keep before formatting the memory card.

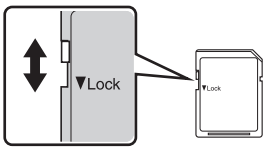
Use the multi selector to choose **Yes** and press the ⓞⓚ button. The confirmation dialog will be displayed. To start formatting, choose **Format** and press the ⓞⓚ button.

- Do not turn the camera off or open the battery-chamber/memory card slot cover until formatting is complete.
- The first time you insert the memory cards used in other devices into the COOLPIX S220/S225, be sure to format them using this camera (📖 123).

The Write Protect Switch

Memory cards are equipped with a write protect switch. When this switch is in the "lock" position, data cannot be written to, or deleted from, the memory card. If the switch is in the "lock" position, unlock it by sliding the switch to the "write" position to record or delete pictures, or to format the memory card.

Write protect switch



Memory Cards

- Use only Secure Digital memory cards.
- Do not perform the following during formatting, while data is being written to or deleted from the memory card, or during data transfer to a computer. Failure to observe this precaution could result in the loss of data or in damage to the camera or memory card:
 - Take out the battery or memory card
 - Turn off the camera
 - Disconnect the AC adapter
- Do not format the memory card using a computer.
- Do not disassemble or modify.
- Do not drop, bend, or expose to water or strong physical shocks.
- Do not touch the metal terminals with your fingers or metal objects.
- Do not affix labels or stickers to the memory card.
- Do not leave in direct sunlight, closed vehicles or areas exposed to high temperatures.
- Do not expose to humidity, dust, or to corrosive gases.

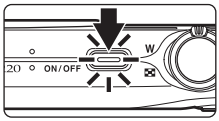
Step 1 Turn the Camera On and Select (Auto) Mode

This section describes how to take pictures in (auto) mode, an automatic, "point-and-shoot" mode recommended for first-time users of digital cameras.

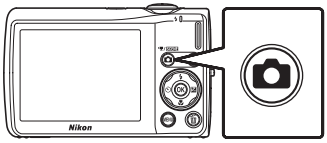
1 Press the power switch to turn on the camera.

The power-on lamp (green) will light for a moment and the monitor will turn on. The lens will also extend.

Proceed to step 4 when is displayed.

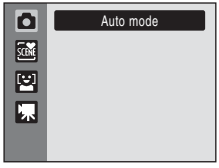


2 Press the button.



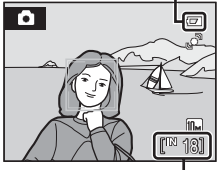
3 Press the multi selector ▲ or ▼ to choose and press the OK button.

The camera enters (auto) mode.



4 Check the battery level and the number of exposures remaining.

Battery level indicator



Number of exposures remaining

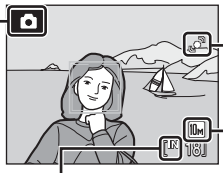
Battery Level

Monitor	Description
NO INDICATOR	Battery fully charged.
	Battery low. Prepare to charge or replace the battery.
Battery exhausted.	Cannot take pictures. Recharge or replace with a fully charged battery.

Number of Exposures Remaining

The number of pictures that can be stored depends on the capacity of the internal memory or memory card and image mode setting (94).

Indicators Displayed in (Auto) Mode



Shooting mode
displayed in (auto) mode.

Motion detection icon
The effects of the subject movement and camera shake are reduced.

Internal memory indicator
Indicates that images will be stored on the camera's internal memory (approximately 44 MB). When a memory card is inserted in the camera, does not appear and images will be stored on the memory card.

Image mode
The combination of image size and image quality (compression) is displayed. The default setting is Normal (3,648 × 2,736).

The indicators and photo info displayed during shooting and playback will turn off after a few seconds (📖 118). When the monitor has turned off in standby mode to save power, press the power switch or the shutter-release button to reactivate it (📖 122).

Functions Available in (Auto) Mode

In (auto) mode, macro mode (📖 31) and exposure compensation (📖 32) can be applied and pictures can be taken using the flash mode (📖 28) and self-timer (📖 30). Pressing the **MENU** button in (auto) mode allows you to specify settings for all shooting menu items (📖 92) depending upon the shooting situations.

Motion Detection

When **Auto** (default setting) is selected for the **Motion detection** option (📖 120) in the setup menu and the camera detects camera shake and subject movement, the camera increases shutter speed to reduce blurring.

When the camera detects camera shake or subject movement and increases shutter speed, the motion detection icon will turn green.

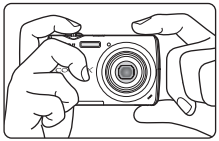
Electronic Vibration Reduction

When the flash mode (📖 28) is set to (off) or (slow sync) with **Electronic VR** (📖 113) in the setup menu set to **Auto**, the icon may appear in the monitor. The appearance of indicates shooting conditions in which the effects of camera shake can be pronounced. In these situations, the camera reduces the effects of camera shake in pictures before recording them.

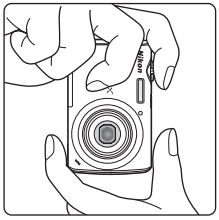
Step 2 Frame a Picture

1 Ready the camera.

Hold the camera steadily in both hands, keeping your fingers and other objects away from the lens, flash, microphone, and speaker.



When taking pictures in "tall" orientation, turn the camera so that the built-in flash is above the lens.



2 Frame the picture.

When the camera recognizes a face looking toward the camera, that face will be framed by a yellow double border (default setting). If more than one face is recognized, the face nearest to the camera will be framed by a double border and the rest by a single border.

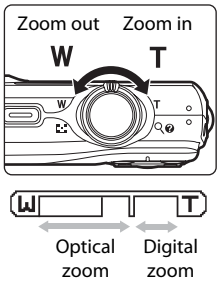


AF area will not appear when shooting pictures of subjects other than people, or framing a subject with which no face is recognized.

Using the Zoom

Use the zoom control to activate optical zoom. Rotate the zoom control to **T** to zoom in so that the subject fills a larger area of the frame, or **W** to zoom out, thus increasing the area visible in the frame.

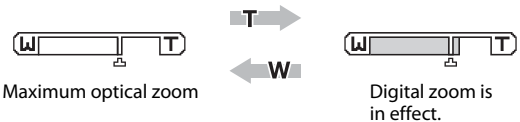
A zoom indicator is displayed at the top of the monitor when the zoom control is rotated.



Digital Zoom

When the camera is zoomed in to the maximum optical zoom position, rotating and holding the zoom control at **T** triggers digital zoom. The subject is magnified up to 4× the maximum optical zoom ratio.

Focus will be on the center of the screen (without active focus area display) when digital zoom is in effect.



Digital Zoom and Interpolation

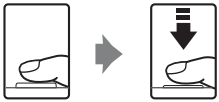
Unlike optical zoom, digital zoom uses a digital imaging process known as interpolation to magnify images, resulting in slight deterioration of picture quality.

Interpolation is applied at zoom positions beyond ⏏. When zoom is increased beyond the ⏏ position, interpolation is initiated and the zoom indicator turns yellow to indicate that interpolation is being applied. The position of ⏏ moves to the right as image size decreases, allowing for confirmation of the zoom positions at which shooting without interpolation is possible at the current image mode setting.

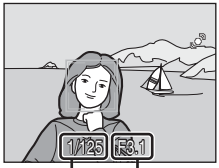


Digital zoom can be disabled from the **Digital zoom** option (📖 121) in the setup menu (📖 111).

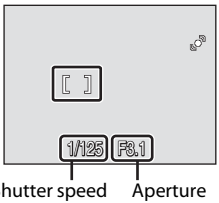
1 Press the shutter-release button halfway.



When a face looking toward the camera is recognized: Camera will focus on the face surrounded by the double border active focus area. When the subject is in focus, the double border glows green.



When shooting pictures of subjects other than people or framing a subject with which no face is recognized: Camera automatically selects the focus area (one of nine) containing the subject closest to the camera. When the subject is in focus, the active focus area glows green.



When digital zoom is used, the focus area is not displayed and the camera focuses at the center of the frame. Once focus has been acquired, the focus indicator (📖 6) will glow green.

When you press the shutter-release button halfway, the shutter speed and aperture values also appear.

Focus and exposure remain locked while the shutter-release button is pressed halfway.

While the shutter-release button is pressed halfway, the double border for face recognition may blink, or the focus area or focus indicator may blink red. All of these cases indicate that the camera does not focus. Change the composition and press the shutter-release button halfway again.

See "AF Area Mode" (📖 100) or "Face Priority" (📖 102) for more information about Face Priority.

2 Press the shutter-release button the rest of the way down.



The shutter is released and the picture will be recorded to the memory card or internal memory.

During Recording

While pictures are being recorded, the number of exposures remaining will blink. ***Do not open the battery-chamber/memory card slot cover*** while pictures are being recorded. Cutting power or removing the memory card in these circumstances could result in loss of data or in damage to the camera or card.

Autofocus

Autofocus may not perform as expected in the following situations. In some rare cases, the subject may not be in focus despite the fact that the active focus area and the focus indicator glow green:

- Subject is very dark
- Objects of sharply differing brightness are included in the scene (e.g. the sun is behind the subject and is in deep shadow)
- No contrast between the subject and surroundings (e.g. when the subject is standing in front of a white wall, wearing a white shirt)
- Several objects are at different distances from the camera (e.g. the subject is inside a cage)
- Subject is moving rapidly

In the situations noted above, try pressing the shutter-release button halfway to refocus several times, or focus on another subject and use focus lock (📖 101). When using focus lock, be sure that the distance between the camera and the subject with which focus was locked is the same as that for the actual subject.

Blink Warning

If the blink warning screen is displayed shortly after a picture is taken in face priority mode, the eyes of human subjects may have been closed when the picture was taken. Check the picture and decide whether or not another picture should be taken.



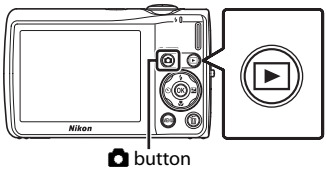
- The portrait subject, whose eyes may have been closed when the picture was taken, will be framed by a yellow border in the blink warning screen.
- Press the OK button, or press the shutter-release button, to return to shooting mode.
 See "Blink Warning" (📖 124) or "Operating the Blink Warning Screen" (📖 125) for more information.

Flash

If the subject is poorly lit, the flash may fire by pressing the shutter-release button all the way down (📖 28).

Playing Back Pictures (Playback Mode)

Press the ▶ button.



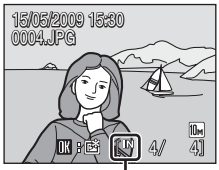
The last picture taken will be displayed in full-frame playback mode.

Press the multi selector ▲, ▼, ◀ or ▶ to view additional pictures.

Pictures may be displayed briefly at low resolution while being read from the memory card or internal memory.

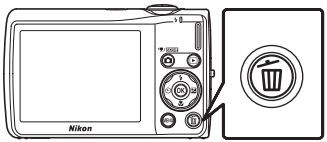
Press the button or the shutter-release button to switch to shooting mode.

When playing back pictures stored on the camera's internal memory, appears. When a memory card is inserted in the camera, does not appear and images stored on the memory card are played back.



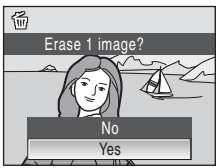
Deleting Pictures

1 Press the button to delete the picture currently displayed in the monitor.



2 Use the multi selector to select **Yes** and press the OK button.

To exit without deleting the picture, choose **No** and press the OK button.





Options Available in Playback Mode

The following options are available in full-frame playback mode.

Option	Use	Description	🕮
Playback zoom	**T** (🔍)	Rotate the zoom control to **T** to enlarge the picture up to 10×. Press the ⓞ button to return to full-frame playback mode.	49
View thumbnails/ apply calendar display	**W** (▦)	Rotate the zoom control to **W** to display 4, 9 or 16 picture thumbnails or to apply the calendar display.	47
Add favorite pictures	ⓞ	Add the picture currently displayed to favorite pictures.	65
Change playback mode	▶	Press the ▶ button to display the playback-mode selection menu and change to list by date, auto sort, or favorite pictures mode.	57, 60, 66
Switch to shooting mode	📷 / ↓	Press the 📷 button or the shutter-release button to switch to the shooting mode selected in the shooting-mode selection menu.	26

Pressing the ▶ Button to Turn On the Camera

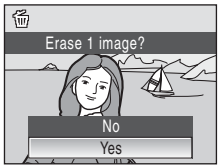
When the camera is off, holding down the ▶ button will turn the camera on in playback mode. The lens will not extend.

Viewing Pictures

- Pictures stored in the internal memory can only be viewed if no memory card is inserted.
- When pictures in which a face was detected during shooting are displayed in full-frame playback, the pictures may be automatically rotated for playback display, depending upon the orientation of the detected face.
- When the monitor has turned off in standby mode to save power, press the ▶ button or the power switch to reactivate it (🕮 122).

Deleting the Last Picture Taken While in Shooting Mode

In shooting mode, press the 🗑 button to delete the last picture taken.



Deleting Multiple Pictures

Multiple pictures can be deleted from the **Delete** option (🕮 108) in the playback menu (🕮 105), the list by date menu (🕮 59), the auto sort menu (🕮 62), or the favorite pictures menu (🕮 68).

Using the Flash

The flash has a range of 0.6-4.6 m (2-15 ft.) when the camera is zoomed out all the way. With maximum optical zoom applied, the range is 0.6-2.5 m (2-8 ft.) (when **ISO sensitivity** is set to **Auto**). The following flash modes are available.

AUTO	Auto
	Flash fires automatically when lighting is poor.
	Auto with red-eye reduction
	Reduce "red-eye" in portraits (📖 29).
	Off
	Flash will not fire even when lighting is poor.
	Fill flash
	Flash fires when a picture is taken. Use to "fill-in" (illuminate) shadows and backlit subjects.
	Slow sync
	AUTO (auto) is combined with slow shutter speed. Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim light.

Setting the Flash Mode

1 Press ⚡ (flash mode).

The flash menu is displayed.

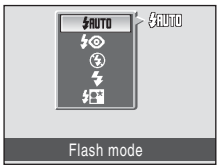


2 Use the multi selector to choose the desired flash mode and press the OK button.

The icon for the selected flash mode is displayed at the top of the monitor.

When AUTO (auto) is applied, AUTO is only displayed for a few seconds, regardless of **Photo info** settings (📖 118).

If a setting is not applied by pressing the OK button within a few seconds, the selection will be cancelled.





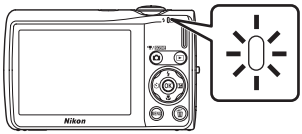
Shooting When Lighting is Poor and the Flash is Disabled (⊗)

- Use of a tripod is recommended to stabilize the camera during shooting and avoid the effects of camera shake.
- The ISO indicator is displayed when the camera automatically increases sensitivity. Pictures taken when ISO is displayed may be slightly mottled.

Note on Using the Flash

When using the flash, reflections from dust particles in the air may appear as bright spots in pictures. To reduce these reflections, set the flash to ⊗ (Off).

The Flash Lamp



The flash lamp indicates flash status when the shutter-release button is pressed halfway.

- On: Flash will fire when picture is taken.
- Blinks: Flash charging. Wait a few seconds and try again.
- Off: Flash will not fire when picture is taken.

If the battery is low, the monitor display will turn off, and remain off, until the flash is fully charged.

The Flash Mode Setting

The default flash mode setting varies with shooting mode.

- 📷 (auto): AUTO (auto)
- SCENE (scene): varies with the selected scene mode (📖 34)
- 😊 (smile): fixed at ⊗ (off) when **On** is selected for **Blink proof**, AUTO (auto) when **Off** is selected for **Blink proof** (📖 46)

The flash mode setting applied in 📷 (auto) mode is stored in the camera's memory even after the camera is turned off, and reapplied the next time 📷 (auto) mode is selected.

Red-eye Reduction

This camera uses advanced red-eye reduction ("In-Camera Red-Eye Fix"). The flash fires several times at low intensity (pre-flash) before the main flash, reducing "red eye." The camera then analyzes the picture; if red-eye is detected, the affected area will be processed to further reduce red-eye before the picture is saved. Note that because there is a slight lag between the shutter-release button being pressed and the picture being shot, this mode is not recommended when a quick shutter response is required. The time before the next picture can be shot also increases slightly. Advanced red-eye reduction may not produce the desired results in all situations. In extremely rare instances, areas not subject to red-eye may be affected by advanced red-eye reduction processing; in these cases, choose another mode and try again.

Taking Pictures with the Self-timer

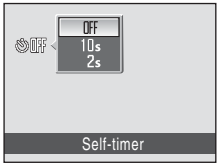
The camera is equipped with a ten-second and two-second timer for self-portraits. This feature is useful for reducing the effects of camera shake that occurs when pressing the shutter-release button. When using the self-timer, use of a tripod is recommended.

1 Press ⏲ (self-timer).

The self-timer menu is displayed.



2 Use the multi selector to choose **10 s** or **2 s** and press the ⓚ button.



10 s (ten seconds): Suited for important occasions (such as weddings)

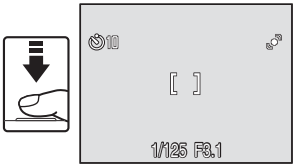
2 s (two seconds): Suited for preventing camera shake

The mode selected for self-timer is displayed.

If a setting is not applied by pressing the ⓚ button within a few seconds, the selection will be cancelled.

3 Frame the picture and press the shutter-release button halfway.

Focus and exposure will be set.

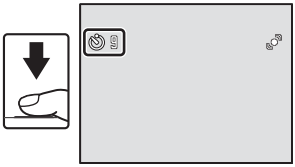


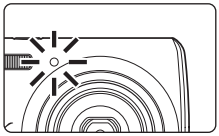
4 Press the shutter-release button the rest of the way down.

The self-timer starts, and the number of seconds remaining before the shutter is released is displayed in the monitor. The self-timer lamp blinks while the timer is counting down. About one second before the shutter is released, the lamp remains lit and stops blinking.

When the shutter is released, the self-timer will be set to OFF.

To stop the timer before a picture is taken, press the shutter-release button again.





Macro Mode

Macro mode is used for taking pictures of objects as close as 10 cm (4 in.). Note that the flash may be unable to light entire subject at distances of less than 60 cm (2 ft.).

1 Press (macro mode).

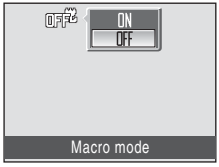
The macro menu is displayed.



2 Use the multi selector to choose **ON** and press the OK button.

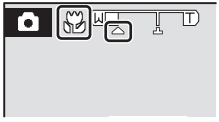
The macro mode icon () is displayed.

If a setting is not applied by pressing the OK button within a few seconds, the selection will be cancelled.



3 Rotate the zoom control to frame the picture.

The camera can focus at a distance of 10 cm (4 in.) at the zoom position at which glows green (the zoom indicator is positioned before).



Macro Mode

In macro mode, the camera focuses continuously until the shutter-release button is pressed halfway to lock focus and exposure.

The Macro Mode Setting

The macro mode setting applied in (auto) mode is stored in the camera's memory even after the camera is turned off, and reapplied the next time (auto) mode is selected.

Exposure Compensation

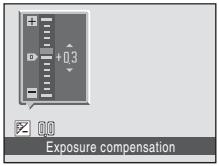
Exposure compensation is used to alter exposure from the value suggested by the camera to make pictures brighter or darker.

1 Press ⊠ (exposure compensation).

The exposure compensation guide is displayed.



2 Use the multi selector to adjust exposure and press the ⓞ button.



When the picture is too dark: adjust the exposure compensation to "+" side.

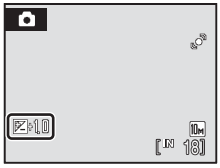
When the picture is too bright: adjust the exposure compensation to "–" side.

Exposure compensation can be set to values between -2.0 and +2.0 EV.

If a setting is not applied by pressing the ⓞ button within a few seconds, the selection will be cancelled.

3 The setting is applied.

The value is displayed with the ⊠ icon in the monitor.



Exposure Compensation Value

The exposure compensation value applied in 📷 (auto) mode is stored in the camera's memory even after the camera is turned off, and reapplied the next time 📷 (auto) mode is selected.

Using Exposure Compensation

The camera tends to lower exposure when the frame is dominated by brightly lit objects and to increase exposure when the frame is mostly dark. *Positive* compensation may therefore be required to capture the brilliancy of very bright objects that fill the frame (for example, sunlit expanses of water, sand, or snow) or when the background is much brighter than the main subject. *Negative* compensation may be called for when large areas of the frame contain very dark objects (for example, a swath of dark green leaves) or when the background is much darker than the main subject.

Shooting in Scene Mode

Camera settings are automatically optimized for the selected subject type. The following scene modes are available.

Scene auto selector	Portrait	Landscape	Sports	Night portrait
Party/indoor	Beach/snow	Sunset	Dusk/dawn	Night landscape
Close-up	Food	Museum	Fireworks show	Copy
Backlight	Panorama assist	Voice recording*		

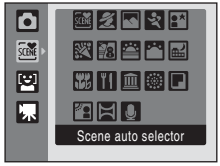
* See "Voice Recordings" (📖 74) for details.

Setting the Scene Mode

1 Press the 📷 button in shooting mode to display the shooting-mode selection menu and press the multi selector ▲ or ▼ to select a scene icon.

The icon for the last scene mode selected is displayed. The default setting is SCENE (Scene auto selector).





2 Press the multi selector ▶ and press ▲, ▼, ◀, or ▶ to choose the desired scene, and then press the OK button.



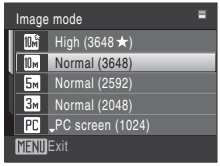
3 Frame the subject and shoot.





Image Mode

When the MENU button is pressed in scene mode, **Image mode** (📖 93) can be adjusted. Change made to this setting applies to all shooting modes (except for movie menu).



Features

Scene auto selector

By simply framing a picture, the camera automatically selects the optimum scene mode. See "Shooting in the Scene Mode Selected by the Camera (Scene Auto Selector)" (📖 40) for more information.

ϟ	ϟAUTO[1]	⏲	Off[2]	🌷	Off[3]	±	0.0[2]

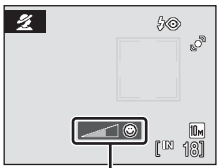
[1] The camera automatically selects the optimum flash mode setting for the scene mode it has selected. Can be changed to ⊛.
[2] Other settings can be selected.
[3] Changed to On when the camera selects **Close-up** scene mode.

Portrait

Use this mode for portraits in which the main subject stands out clearly. Portrait subjects exhibit smooth, natural-looking skin tones.

- The camera detects and focuses on a face looking toward the camera. See "Face Priority" (📖 102) for more information.
- If the camera detects a smiling face of the subject, the smile indicator increases or decreases.
- If more than one face is recognized, focus will be on the face nearest to the camera.
- If no faces are recognized, focus will be on the center of the screen.
- Digital zoom is not available.





Smile indicator

ϟ	ϟ◉*	⏲	Off*	🌷	Off	±	0.0*

* Other settings can be selected.

📷: For those scene modes with 📷, use of a tripod is recommended.

NR: For those scene modes with NR, noise reduction is carried out automatically so the time taken to save an image will be longer than usual.

Icons Used for Descriptions

The following icons are used for descriptions in this section: ϟ, flash mode (📖 28); ⏲, self-timer (📖 30); 🌷, macro mode (📖 31); ±, exposure compensation (📖 32).

Landscape



Use this mode for vivid landscapes and cityscapes.

- Camera focuses at infinity. The focus area or focus indicator (🕮 6) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus.

⚡	⊘	⏲	Off*	🌷	Off	±	0.0*

* Other settings can be selected.

Sports



Use this mode for dynamic action shots that freeze the action in a single shot and record motion in a series of pictures.

- The camera focuses continuously until focus is locked by pressing the shutter-release button halfway.
- While the shutter-release button is held down, pictures are taken at rate of up to about 1.2 frames per second (fps) when image mode is set to **Normal (3648)**. This rate is maintained for up to 6 pictures.
- The maximum frame rate with continuous shooting may vary depending upon the current image mode setting and the memory card used.
- **Motion detection** (🕮 120) is not activated.

⚡	⊘	⏲	Off	🌷	Off	±	0.0*

* Other settings can be selected.

Night portrait



Use this mode to achieve a natural balance between the main subject and background lighting in portraits taken at night.

- The camera detects and focuses on a face looking toward the camera. See "Face Priority" (🕮 102) for more information.
- If more than one face is recognized, focus will be on the face nearest to the camera.
- If no faces are recognized, focus will be on the center of the screen.
- Digital zoom is not available.
- **Motion detection** (🕮 120) is not activated.

⚡	⚡◉[1]	⏲	Off[2]	🌷	Off	±	0.0[2]

[1] Fill flash with slow sync and red-eye reduction.
[2] Other settings can be selected.

Party/indoor



Captures the effects of candlelight and other indoor background lighting.
- Camera focuses on subject in the center of the frame.
- As pictures are easily affected by camera shake, hold the camera steadily. Use of a tripod is recommended for dark locations.

	[1]		Off[2]		Off		0.0[2]

[1] The flash may change to slow sync with red-eye reduction. Other settings can be selected.
[2] Other settings can be selected.

Beach/snow



Captures the brightness of such subjects as snowfields, beaches, or sunlit expanses of water.
- Camera focuses on subject in the center of the frame.

	AUTO*		Off*		Off		0.0*

* Other settings can be selected.

Sunset



Preserves the deep hues seen in sunsets and sunrises.
- Camera focuses on subject in the center of the frame.

	*		Off*		Off		0.0*

* Other settings can be selected.

: For those scene modes with , use of a tripod is recommended.
NR: For those scene modes with NR, noise reduction is carried out automatically so the time taken to save an image will be longer than usual.

Dusk/dawn



Preserves the colors seen in the weak natural light before sunrise or after sunset.

- Camera focuses at infinity. The focus area or focus indicator (📖 6) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus.
- **Motion detection** (📖 120) is not activated.

⚡	⊗	⏲	Off*	🌷	Off	±	0.0*

* Other settings can be selected.

Night landscape



Slow shutter speeds are used to produce stunning night landscapes.

- Camera focuses at infinity. The focus area or focus indicator (📖 6) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus.
- **Motion detection** (📖 120) is not activated.

⚡	⊗	⏲	Off*	🌷	Off	±	0.0*

* Other settings can be selected.

Close-up



Photograph flowers, insects and other small objects at close range.

- Macro mode (📖 31) will be turned on and the camera automatically zooms to the position at the closest distance at which the camera can focus.
- The camera can focus at a distance of 10 cm (4 in.) at the zoom position at which 🌷 glows green (the zoom indicator is positioned before △). The closest possible shooting position may vary according to the zoom position.
- **AF area mode** is set to **Manual** (📖 100). Press the OK button to choose the focus area in which focus is acquired.
- The camera focuses continuously until focus is locked by pressing the shutter-release button halfway.

⚡	AUTO*	⏲	Off*	🌷	On	±	0.0*

* Other settings can be selected. Note that the flash may be unable to light entire subject at distances of less than 60 cm (2 ft.).

Food



Use when taking pictures of food. See "Taking Pictures in Food Mode" (📖 41) for details.

- **AF area mode** is set to **Manual** (📖 100). Press the OK button to choose the focus area in which focus is acquired.

⚡	⊛	⏲	Off*	🌷	On	±	0.0*

* Other settings can be selected.

Museum



Use indoors where flash photography is prohibited (for example, in museums and art galleries) or in other settings in which you do not want to use the flash.

- Camera focuses on subject in the center of the frame.
- BSS (best shot selector) can be used to shoot (📖 97).
- **Motion detection** (📖 120) is not activated.

⚡	⊛	⏲	Off*	🌷	Off*	±	0.0*

* Other settings can be selected.

Fireworks show



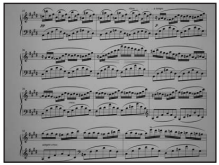
Slow shutter speeds are used to capture the expanding burst of light from a firework.

- Camera focuses at infinity. The focus indicator (📖 6) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus.
- **Motion detection** (📖 120) is not activated.

⚡	⊛	⏲	Off	🌷	Off	±	0.0

: For those scene modes with , use of a tripod is recommended.

Copy



Provides clear pictures of text or drawings on a white board or in print.

- Camera focuses on subject in the center of the frame.
- Use macro mode (31) to focus at short ranges.
- Colored text and drawings may not show up well.

	*		Off*		Off*		0.0*

* Other settings can be selected.

Backlight



Use when light is coming from behind subject, throwing features or details into shadow. The flash fires automatically to "fill in" (illuminate) shadows.

- Camera focuses on subject in the center of the frame.
- **Motion detection** (120) is not activated.

			Off*		Off		0.0*

* Other settings can be selected.

Panorama assist



Use when taking a series of pictures that will later be joined to form a single panorama using the supplied Panorama Maker software. See "Taking Pictures for a Panorama" (43) for details.

	*		Off*		Off*		0.0*

* Other settings can be selected.

Shooting in the Scene Mode Selected by the Camera (Scene Auto Selector)

By simply framing a picture, the camera automatically selects the optimum scene mode for simpler shooting.

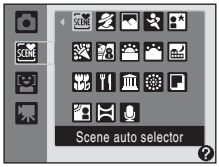
When the camera is aimed at a subject in SCENE scene auto selector scene mode, the camera automatically selects one of the following scene modes:

- Auto (📖 20)
- Portrait (📖 34)
- Landscape (📖 35)
- Night portrait (📖 35)
- Night landscape (📖 37)
- Close-up (📖 37)
- Backlight (📖 39)

1 Press the 📷 button in shooting mode to display the shooting-mode selection menu and use the multi selector to select SCENE (Scene auto selector) (📖 33).

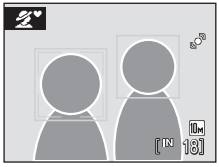
The camera enters scene auto selector scene mode.





2 Frame the subject and take the picture.

When the camera automatically selects a scene mode, the shooting mode icon changes to that for the scene mode currently enabled.



- SCENE: Auto
- : Portrait
- : Landscape
- : Night portrait
- : Night landscape
- : Close-up
- : Backlight

Press the shutter-release button halfway to set focus and exposure.

Press the shutter-release button the rest of the way down to take the picture.

Note on Scene Auto Selector Scene Mode

Depending upon shooting conditions, the camera may not select the desired scene mode. Should this occur, switch to 📷 (auto) mode (📖 20) or select the desired scene mode manually (📖 33).

Flash Mode in Scene Auto Selector Scene Mode

AUTO (Auto) (default setting) and (Off) flash mode settings can be applied (📖 28).

- When AUTO (Auto) is applied, the camera automatically selects the optimum flash mode setting for the scene mode it has selected.
- When (Off) is applied, the flash does not fire, regardless of shooting conditions.

Functions Restricted in Scene Auto Selector Scene Mode

- Digital zoom is not available.
- The macro mode button on the multi selector (📖 9, 31) is disabled.
- **AF area mode** (📖 100) is set to **Auto** in (Close-up) mode.

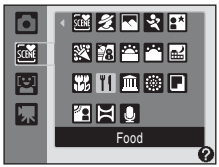
Taking Pictures in Food Mode

Use this mode to take pictures of food.

1 Press the button in shooting mode to display the shooting-mode selection menu and use the multi selector to select (Food) (📖 33).

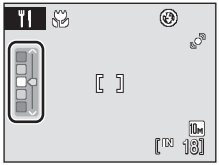
Macro mode (📖 31) will be turned on and the camera automatically zooms to the position at the closest distance at which the camera can focus.





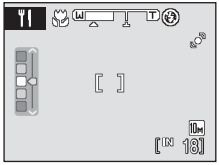
2 Press the multi selector ▲ or ▼ to choose white balance.

Press ▲ to increase the amount of red, or ▼ to increase the amount of blue.



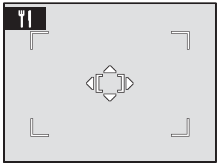
3 Frame the picture.

The camera can focus at distances as close as 10 cm (4 in.) at the wide-angle zoom position at which and the zoom indicator glow green (the zoom indicator is before). The closest distance at which the camera can focus varies depending upon zoom position.



AF area mode is set to **Manual** (📖 100). Press the OK button to move the focus area. Press the multi selector ▲, ▼, ◀, or ▶ to select a focus area and press the OK button again to activate the selected focus area.

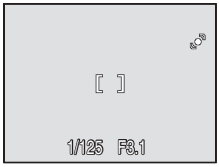
Self-timer (📖 30) and exposure compensation (📖 32) settings can be adjusted while the focus area is locked.



4 Press the shutter-release button to take the picture.

Focus is locked when the shutter-release button is pressed halfway, and a picture is taken when the shutter-release button is pressed the rest of the way down.

When the camera is unable to focus, the focus area blinks red. Change the composition and press the shutter-release button halfway again.



Note on Food Mode

Flash mode is disabled. Macro mode setting (31) is fixed at **ON**.

White Balance Setting in Food Mode

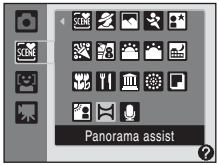
- Increasing the amount of red or blue will decrease illumination effects.
- Changing white balance in food mode will not affect white balance in the shooting menu (95).
- The white balance setting applied in food mode is stored in the camera's memory even after the camera is turned off, and reapplied the next time food mode is selected.

Taking Pictures for a Panorama

The camera focuses on the subject in the center of the frame. Use a tripod for the best results.

1 Press the button in shooting mode to display the shooting-mode selection menu and use the multi selector to select (Panorama assist) (📖 33).





Panorama direction icons () are displayed to show the direction in which pictures will be joined.

2 Use the multi selector to choose the direction and press the OK button.



Select how pictures will be joined together in the completed panorama; right (), left (), up () or down ().
The yellow panorama direction icon () will move to the direction pressed and press the OK button to choose the direction. A white panorama direction icon () will be displayed in the chosen direction.

Apply flash mode (📖 28), self-timer (📖 30), macro mode (📖 31) and exposure compensation (📖 32) settings with this step, if necessary.
Press the OK button again to reselect the direction.

3 Take the first picture.

One third of the last picture taken will be displayed partially transparent.





4 Take the next picture.

Compose the next picture so that one-third of the frame overlaps the previous picture.

Repeat until you have taken the necessary number of pictures to complete the scene.





5 Press the ⓞⓚ button when shooting is complete.

The camera returns to step 2.



Panorama Assist

Flash mode, self-timer, macro mode and exposure compensation settings cannot be adjusted after the first picture is taken. Pictures cannot be deleted, nor can zoom or image mode setting (📖 93) be adjusted until all pictures in the series have been taken.

Shooting for the panorama series is terminated if the auto off function (📖 122) initiates standby mode during shooting. Setting the time allowed to elapse before the auto off function is enabled to a longer setting is recommended.

AE/AF-L Indicator

AE/AF-L is displayed to indicate that exposure, white balance, and focus have been locked at the values set with the first shot. All pictures taken in a panorama series have the same exposure, white balance, and focus settings.



Panorama Maker

Install Panorama Maker from the supplied Software Suite CD. Transfer pictures to a computer (📖 80) and use Panorama Maker (📖 83) to join them in a single panorama.

More Information

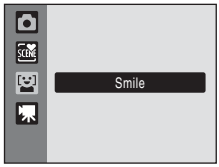
See "Image/Sound File and Folder Names" (📖 130) for more information.

Shooting in Smile Mode

The camera detects that a face recognized with face priority is smiling and shoots automatically.

1 Enter smile mode by pressing the button in shooting mode and selecting (press the multi selector ▲ or ▼), and then pressing the OK button.

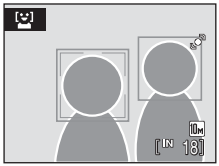




2 Frame a picture.

Point the camera at the subject.

When the camera detects a face looking toward the camera, the focus area containing the face will be displayed with a yellow double border. The camera focuses on the face framed by the double border. The double border will glow green and focus will be locked.



Up to three faces can be detected. When the camera detects more than one face, the face closest to the center of the frame is framed by a double border and the others by single borders.

3 The shutter is automatically released.

If the camera detects that the face framed by the double border is smiling, the shutter is automatically released.

When the camera detects a face, the self-timer lamp (📖 4) blinks. Immediately after the shutter is released with detection of a smiling face, the self-timer lamp flickers.

Each time the shutter is released, the camera automatically take pictures using the recognizing face and the detecting smiling face features repeatedly.

At default settings, the blink proof function is activated (📖 46).

4 Exit smile mode by pressing the button.

Change to another shooting mode.



Face Priority and Smiling Face Detection Features

When the camera is pointed at a face looking toward the camera in smile mode, the face is automatically recognized and the smiling face of the recognized one is detected.

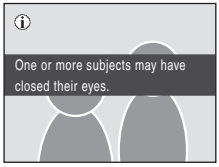
- In some shooting conditions, face recognition does not work and faces cannot be detected.
- See "Face Priority" (📖 102) for more information.

Blink Proof Function

The blink proof function is available in smile mode.

Each time a picture is taken, the camera automatically takes two consecutive shots. Of the two shots, the shot in which the subject's eyes are open takes priority and is saved.

- If the camera detects that it has saved a picture in which the subject's eyes may have closed, the warning shown at right is displayed for a few seconds.
- To enable or disable the blink proof function, press the MENU button in smile mode to display the smile menu and select **Blink proof**.
- The current setting is displayed in the monitor (📖 6).



Operation of Shutter-Release Button

Press the shutter-release button to take pictures.

- When the Face priority takes effect, the shutter can be released with the focus locked on the recognized face even before the camera detects the subject is smiling.
- When the Face priority doesn't take effect, the camera focuses on subject in the center of the frame.

Functions Available in Smile Mode

- Flash is disabled when **On** is selected for the **Blink proof** option. When **Off** is selected for the **Blink proof** option, flash mode (📖 28) is set to $ AUTO (auto). Other flash modes can be selected.
- Exposure compensation (📖 32) is available.
- Digital zoom is not available.
- When the MENU button is pressed, the smile menu is displayed and **Image mode** (📖 93) can be adjusted. Change made to the image mode setting applies to all shooting modes (except the movie menu).

Auto Power Off in Smile Mode

In smile mode, the auto power off function (📖 122) is activated and the camera turns off when either of the situations indicated below persists and no other operations are performed.

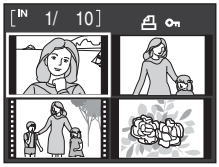
- The camera does not recognize any faces
- The camera recognized the face but cannot detect a smiling face

More Information

See "Autofocus" (📖 25) for more information.

Viewing Multiple Pictures: Thumbnail Playback

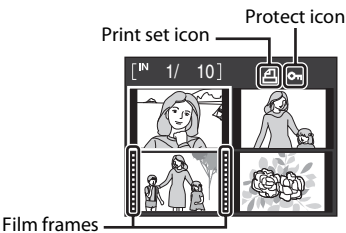
Rotate the zoom control to **W** (▪) in full-frame playback mode (📖 26) to display pictures in "contact sheets" of thumbnail images. The following operations are available while thumbnails are displayed.



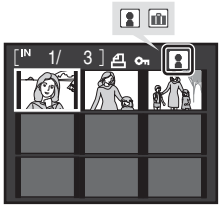
To	Use	Description	📖
Choose pictures		Press the multi selector ▲, ▼, ◀, or ▶.	9
Increase the number of pictures displayed/apply the calendar display	**W** (▪)	Rotate the zoom control to **W** (▪) to increase the number of picture thumbnails displayed: 4 → 9 → 16. Rotate the zoom control to **W** (▪) in the 16-picture thumbnail display to apply the calendar display (📖 48), and pictures can be found by the date on which they were taken. Rotate the zoom control to **T** (🔍) to return to thumbnail display.	–
Decrease the number of pictures displayed	**T** (🔍)	Rotate the zoom control to **T** (🔍) to decrease the number of picture thumbnails displayed: 16 → 9 → 4. Rotate the zoom control to **T** (🔍) in 4-picture thumbnail display to return to full-frame playback mode.	–
Cancel thumbnail playback	Ⓚ	Press the Ⓚ button.	26
Switch to shooting mode	📷 / 	Press the 📷 button or the shutter-release button to return to the last shooting mode selected.	26

Thumbnail Playback Mode Display

When pictures for which **Print set** (📖 90) and **Protect** (📖 108) settings have been configured are selected, the icons in the illustration to the right appear.
Movies are displayed as film frames.

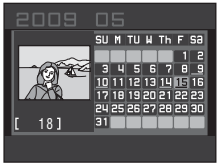


Thumbnail Display in Auto Sort and Favorite Pictures Mode



- When thumbnails are displayed in auto sort mode (📖 60), the category icon of the pictures will appear at the right top of the screen.
- When thumbnails are displayed in favorite pictures mode (📖 63), the favorite pictures icon will appear at the right top of the screen.

Calendar Display



Rotate the zoom control to **W** (▦) when the pictures are displayed in 16-thumbnail (📖 47) in playback mode to apply the calendar display.

Selecting a date displays the first picture taken on that date in full-frame playback mode. The dates on which the pictures were taken are underlined in yellow.

The following operations are available in calendar display.

To	Use	Description	📖
Select a date		Press the multi selector ▲, ▼, ◀, or ▶.	9
Return to full-frame playback	⊛	The first picture taken on the selected date is displayed full frame.	26
Return to thumbnail display	**T** (🔍)	Rotate the zoom control to **T** (🔍).	47

Notes on Calendar Display

- Pictures taken before the date and time have been set are recognized as having been taken on 01/01/2009 in the calendar display.
- The 🗑 button and **MENU** button are not available in calendar display.

List by Date Mode

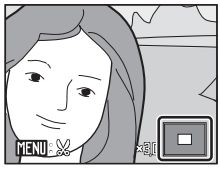
Only the pictures taken on the same date can be played back in list by date mode (📖 57). The playback menu operations (📖 59) are also available only for the pictures taken on the selected dates.

Taking a Closer Look: Playback Zoom

Rotating the zoom control to **T** (Q) during full-frame playback mode (📖 26) zooms the current picture, with the center of the picture displayed in the monitor.

The guide at lower right shows which portion of the picture is enlarged.

The following operations are available while pictures are zoomed in.



To	Use	Description	📖
Zoom in	**T** (Q)	Zoom increases each time the zoom control is rotated to **T** (Q), to a maximum of 10×.	–
Zoom out	**W** (▪)	Zoom decreases each time the zoom control is rotated to **W** (▪). When the magnification ratio reaches 1×, the display returns to full-frame playback mode.	–
View other areas of picture		Press the multi selector ▲, ▼, ◀, or ▶ to move the display area to other areas of the picture.	9
Switch to full-frame playback	OK	Press the OK button.	26
Crop picture	MENU	Press the MENU button to crop current picture to contain only the portion visible in the monitor.	53
Switch to shooting mode	📷 	Press the 📷 button or the shutter-release button to return to the last shooting mode selected.	26

Pictures Taken in Face Priority

When zooming in (playback zoom) on a picture taken using the face-priority function (📖 102) by rotating the zoom control to **T** (Q), the picture will be enlarged with the face detected with shooting at the center of the monitor.



- If more than one face was detected, the picture will be enlarged with the face on which focus was acquired at the center of the monitor. Press the rotary multi selector ▲, ▼, ◀, or ▶ to display other faces that were detected.
- When the zoom control is rotated to **T** (Q) or **W** (▪) to adjust the zoom ratio, the center of the picture (normal playback zoom display), rather than the face, is displayed at the center of the monitor.

Editing Pictures

Use the COOLPIX S220/S225 to edit pictures in-camera and store them as separate files (📖 130). The editing features described below are available.

Editing function	Description
Quick retouch (📖 51)	Easily create retouched copies in which contrast and saturation have been enhanced.
D-Lighting (📖 52)	Create a copy of the current picture with enhanced brightness and contrast, brightening dark portions of the picture.
Crop (📖 53)	Enlarge the image or refine the composition and create a copy containing only the portion visible in the monitor.
Small picture (📖 54)	Create a small copy of pictures suitable for use on web pages or as e-mail attachments.

Picture Editing

- Pictures taken at an **Image mode** setting of **16:9 (3584)** (📖 93) cannot be edited.
- The COOLPIX S220/S225 editing functions are not available for pictures taken with non-COOLPIX S220/S225 digital cameras.
- If a copy created using the COOLPIX S220/S225 is viewed on a different digital camera, the picture may not be displayed or may not be transferred to a computer.
- Editing functions are not available when there is not enough free space in the internal memory or on the memory card.

Restrictions on Picture Editing

(✔: available, –: not available)

	2nd editing			
1st editing	Quick retouch	D-Lighting	Crop	Small picture
Quick retouch	–	–	✔	✔
D-Lighting	–	–	✔	✔
Crop	–	–	–	–
Small picture	–	–	–	–

- Pictures cannot be edited twice with the same editing function.
- When pictures will be edited with both the quick retouch or D-lighting option and the crop or small picture option, the quick retouch or D-lighting option should be applied first.

Original Pictures and Edited

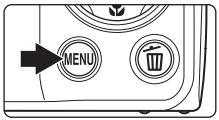
- Copies created with editing functions are not deleted if the original pictures are deleted. The original pictures are not deleted if copies created with editing functions are deleted.
- Edited copies are stored with the same recording date and time as the original.
- **Print set** (📖 90) and **Protect** (📖 108) settings configured for original pictures are not reflected in their edited copies.

Quick Retouch

Quick retouch can be used to easily create retouched copies in which contrast and saturation have been enhanced. Copies created with the quick retouch option are stored as separate files.

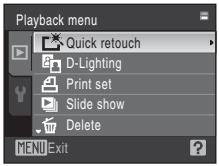
1 Select the desired picture from full-frame (26) or thumbnail (47) playback mode and press the MENU button.

The playback menu is displayed.



2 Use the multi selector to choose **Quick retouch** and press the OK button.

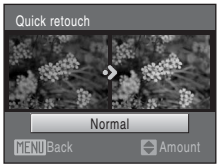
The original version is displayed on the left and the edited version is displayed on the right.



3 Press the multi selector ▲ or ▼ to choose the amount of enhancement performed and press the OK button.

A new copy with enhanced contrast and saturation is created (the time taken to create a copy might be long).

To cancel retouching, press the MENU button.



Copies created with the quick retouch option can be recognized by the icon displayed during playback.



More Information

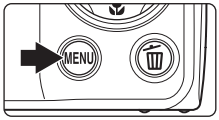
See "Image/Sound File and Folder Names" (130) for more information

Enhancing Brightness and Contrast: D-Lighting

D-Lighting can be used to create copies with enhanced brightness and contrast, brightening dark portions of a picture. Enhanced copies are stored as separate files.

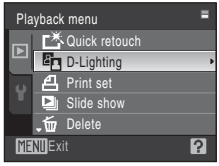
1 Select the desired picture from full-frame (📖 26) or thumbnail (📖 47) playback mode and press the MENU button.

The playback menu is displayed.



2 Use the multi selector to choose **D-Lighting** and press the OK button.

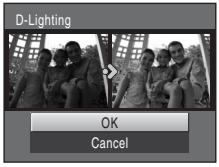
The original version is displayed on the left and the edited version is displayed on the right.



3 Choose **OK** and press the OK button.

A new copy with enhanced brightness and contrast is created.

To cancel D-Lighting, choose **Cancel** and press the OK button.



D-Lighting copies can be recognized by the icon displayed during playback.



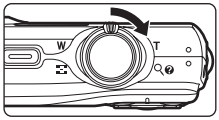
More Information

See "Image/Sound File and Folder Names" (📖 130) for more information.

Creating a Cropped Copy: Crop

Create a copy containing only the portion visible in the monitor when MENU is displayed with playback zoom (📖 49) enabled. Cropped copies are stored as separate files.

1 Rotate the zoom control to T (🔍) in full-frame playback mode to zoom in on the image.



To crop a picture displayed in "tall" (portrait) orientation, zoom in on the picture until the black bars displayed on the both sides of the monitor disappear. The cropped picture will be displayed in landscape orientation.
To crop the picture in its current "tall" (portrait) orientation, first, use the **Rotate image** option (📖 109) to rotate the picture so that it is displayed in landscape orientation. Next, enlarge the picture for cropping, crop the picture, and then rotate the cropped picture back to "tall" (portrait) orientation.

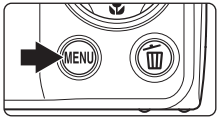
2 Refine copy composition.



Rotate the zoom control to **T** (🔍) or **W** (▦) to adjust the zoom ratio.

Press the multi selector ▲, ▼, ◀ or ▶ to scroll the picture until only the portion you want to copy is visible in the monitor.

3 Press the MENU button.



4 Use the multi selector to choose **Yes** and press the OK button.



A new picture, containing only the portion visible in the monitor, is created.

To cancel creating a cropped copy, choose **No** and press the OK button.

Image Size

As the area to be saved is reduced, the image size (pixels) of the cropped copy is also reduced. When the size of the cropped copy is 320 × 240 or 160 × 120, the small picture icon ▣ or ▣ is displayed on the left of the screen in full-frame playback mode.

More Information

See "Image/Sound File and Folder Names" (📖 130) for more information.

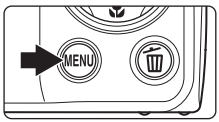
Resizing Pictures: Small Picture

Create a small copy of the current picture. Small copies are stored as JPEG files with a compression ratio of 1:16. The following sizes are available.

Option	Description
640×480	Suited to television playback.
320×240	Suited to display on web pages.
160×120	Suited to e-mail attachments.

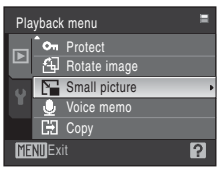
1 Select the desired picture from full-frame (26) or thumbnail (47) playback mode and press the MENU button.

The playback menu is displayed.

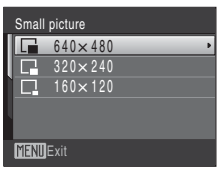


2 Use the multi selector to choose **Small picture** and press the OK button.

To cancel creating a small copy and return to playback mode, press the MENU button.



3 Choose the desired copy size and press the OK button.

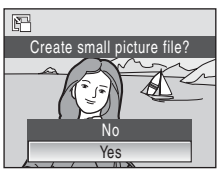


4 Choose **Yes** and press the OK button.

A new, smaller copy is created.

To cancel creating a copy at a smaller size, choose **No** and press the OK button.

The copy is displayed with a gray frame.



More Information

See "Image/Sound File and Folder Names" (130) for more information.

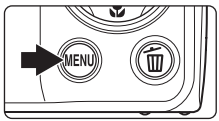
Voice Memos: Recording and Playback

Use the camera's built-in microphone to record voice memos for pictures.

Recording Voice Memos

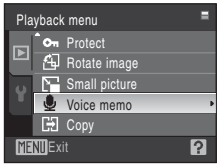
1 Display the desired picture in full-frame playback mode (📖 26) and press the **MENU** button.

The playback menu is displayed.



2 Use the multi selector to choose **Voice memo** and press the **OK** button.

The screen for recording voice memos is displayed.



3 Press and hold the **OK** button to record a voice memo.

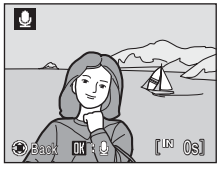
Recording ends after about 20 seconds or when the **OK** button is released.

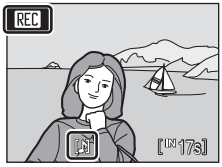
Do not touch the built-in microphone during recording.

During recording, **REC** and 🎙 blink in the monitor.

When recording ends, the voice memo playback screen is displayed. Follow the instructions in step 3 of "Playing Voice Memos" (📖 56) to play the voice memo.

Press the **MENU** button before or after recording a voice memo to return to full-frame playback mode.





More Information

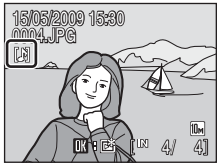
See "Image/Sound File and Folder Names" (📖 130) for more information.

Playing Voice Memos

Pictures for which voice memos have been recorded are indicated by [🎤] in full-frame playback mode.

1 Display the desired picture in full-frame playback mode (📖 26) and press the **MENU** button.

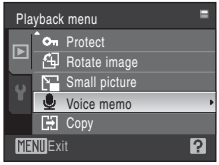
The playback menu is displayed.





2 Use the multi selector to choose **Voice memo** and press the **OK** button.

The screen for playing voice memos is displayed.

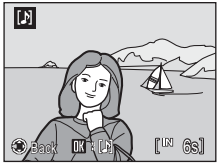


3 Press the **OK** button to listen to the voice memo.

Playback ends when the voice memo ends or the **OK** button is pressed again.

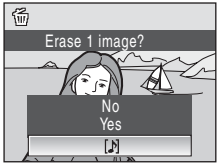
Rotate the zoom control **T** or **W** to adjust the volume.

Press the **MENU** button before or after playing a voice memo to return to full-frame playback mode.



Deleting Voice Memos

Select a picture with a voice memo and press the 🗑 button. Use the multi selector to choose [♪] and press the **OK** button. Only the voice memo will be deleted.



Voice Memos

- When a picture with a voice memo attached is deleted, both the picture and its voice memo are deleted.
- If a voice memo already exists for the current picture, it must be deleted before a new voice memo can be recorded.
- The COOLPIX S220/S225 is not able to attach a voice memo to pictures recorded by other cameras.

Viewing Pictures by Date (List by Date Mode)

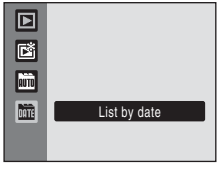
In DATE list by date mode, playback of only pictures taken on a specified date is possible. In full-frame playback mode, just as with normal playback mode, picture display can be enlarged, pictures can be edited, and voice memos can be recorded and played back, movies can be played back, and still pictures can be added to favorites folders. When the MENU button is pressed, the list by date menu (📖 59) is displayed, and all pictures taken on a specified date can be selected for deletion, printing, and protection.

Selecting a Date in List by Date Mode

1 Press the ▶ button in playback mode to display the playback-mode selection menu and press the multi selector ▲ or ▼ to choose DATE, and then press the OK button.

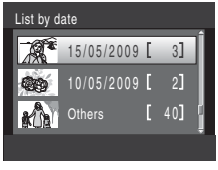


Dates for which pictures exist will be listed.



2 Choose the desired date and press the OK button.

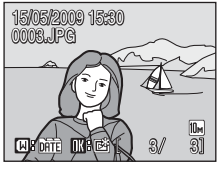
Camera lists up to 29 dates. If pictures exist for more than 29 dates, all pictures recorded earlier than most recent 29 dates will be listed together as **Others**.



The first picture taken on the selected date will be displayed full-frame.

Pressing the OK button sorts the displayed images to the favorites folder (📖 65).

Rotate the zoom control to **W** (▦) in full-frame playback mode to return to the list by date screen.



Notes on List by Date Mode

- Up to 9,000 pictures can be displayed in list by date mode. If more pictures exist, "*" is displayed next to the number.
- Pictures taken before the date and time have been set are recognized as having been taken on 01/01/2009.

Using List by Date Mode

The following operations are available in the list by date screen.

To	Use	Description	🕮
Select date		Press the multi selector ▲ or ▼ to select a date.	9
Switch to full-frame playback	⊛	Press the ⊛ button to display the first picture taken on the selected date. Rotate the zoom control to **W** (▪) in full-frame playback mode to return to the list by date screen.	26
Delete picture	🗑	Press the 🗑 button to delete all pictures taken on the selected date. Choose **Yes** on the confirmation dialog to be displayed.	26
View list by date menu	MENU	Press the MENU button to display the list by date menu.	59
Change playback mode	▶	Press the ▶ button to display the playback-mode selection menu.	8
Switch to shooting mode	📷 	Press the 📷 button or the shutter-release button to return to the last shooting mode selected.	26

List by Date Menu

Press the MENU button in list by date mode to display the following menus for only the pictures taken on the specified date.

Quick retouch* →📖 51
D-Lighting* →📖 52
Print set →📖 90
Slide show →📖 107
Delete →📖 108
Protect →📖 108
Rotate image* →📖 109
Small picture* →📖 54
Voice memo* →📖 55

* During full-frame playback only

When the MENU button is pressed in the list by date screen (📖 57), options can be applied to all pictures taken on the same date, or all pictures taken on the same date can be deleted. To apply options to individual pictures, or to select individual pictures for deletion, display a picture full-frame and press the MENU button.

☑ Print Set

When print marking already exists for pictures taken on dates other than that specified, a confirmation dialog **Save print marking for other dates?** will be displayed.

- **Yes**: Add the previously marked pictures to the current print set.
- **No**: Remove print marking from the pictures previously marked.

Image Searching in Auto Sort Mode

Pictures and movies will automatically be sorted in any of the following folders during shooting. If AUTO auto sort mode is selected, pictures and movies can be viewed by selecting the folder to which they were sorted with shooting.

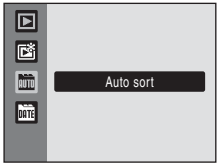
Smile	Portraits	Food
Landscape	Dusk to dawn	Close-ups
Movie	Retouched copies	Other scenes

In full-frame playback mode, just as with the normal playback mode, picture display can be enlarged, pictures can be displayed in thumbnails, edited, and voice memos can be recorded and played back, movies can be played back, and still pictures can be added to favorites folders. When the MENU button is pressed, the auto sort menu (📖 62) is displayed, and all pictures sorted to the same category can be selected for deletion, printing, and protection.

Displaying Pictures in Auto Sort Mode

1 Press the ▶ button in playback mode to display the playback-mode selection menu and press the multi selector ▲ or ▼ to choose AUTO, and then press the OK button.

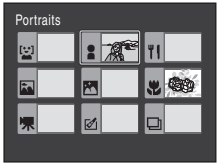




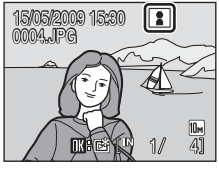
A list of categories appears. For details of categories, see "Categories and the Contents" (📖 61).

The pictures in the folder are displayed.

2 Choose the desired folder icon and press the OK button.



The picture in the selected folder will be displayed in full-frame playback mode.



The icon of the category currently played back will be displayed in the top right of the screen.

Pressing the OK button sorts the displayed images to the favorites folder (📖 65).

Categories and the Contents

Folder name	Description
Smile	Pictures taken in smile mode (📖 45) are displayed.
Portraits	Pictures taken with Face Priority (📖 102) in (auto) mode (📖 20) or those taken in **Portrait***, **Night Portrait***, **Party/ indoor**, or **Backlight*** scene mode (📖 33) are displayed.
Landscape	Pictures taken in **Landscape*** scene mode (📖 33) are displayed.
Dusk to dawn	Pictures taken in **Night landscape***, **Sunset**, **Dusk/dawn** or **Fireworks show** scene mode (📖 33) are displayed.
Close-ups	Pictures taken in **Close-up*** scene mode (📖 33) or with macro (📖 31) in (auto) mode are displayed.
Food	Pictures taken in **Food** scene mode (📖 41) are displayed.
Movie	Movies recorded in movie mode (📖 70) are displayed.
Retouched copies	Pictures created using quick retouch (📖 51), D-Lighting (📖 52), crop (📖 53) or small picture (📖 54) are displayed.
Other scenes	All pictures that are not included in the other folders are displayed.

* The pictures taken in **Scene auto selector** scene mode (📖 40) are included.

Notes on Auto Sort Mode

- Up to 999 pictures and movie files can be added to each folder in auto sort mode. If the desired folder already contains 999 pictures, new pictures or movies cannot be added or displayed in auto sort mode. Display pictures and movies that could not be added to a folder in normal playback mode (📖 26) or list by date mode (📖 57).
- Pictures or movies copied from the internal memory or the memory card (📖 109) cannot be displayed in auto sort mode.
- Pictures or movies recorded by a camera other than the COOLPIX S220/S225 cannot be displayed in auto sort mode.

Using Auto Sort Mode

The following operations are available in the category list screen.

To	Use	Description	🕮
Select the folder name		Press the multi selector ▲, ▼, ◀, or ▶ to select the folder.	9
Switch to full-frame playback	OK	Press the OK button to display the first picture in the selected folder.	26
Delete picture	🗑	Press the 🗑 button after selecting a category, and a confirmation dialogue will be displayed. Choose **Yes** and press the OK button to delete all pictures sorted to that category.	26
Change playback mode	▶	Press the ▶ button to display the playback-mode selection menu.	8
Switch to shooting mode	📷 	Press the 📷 button or the shutter-release button to return to the last shooting mode selected.	26

Auto Sort Menu

Press the MENU button in full-frame playback mode in auto sort mode to display the following menus.

Quick retouch →🕮 51
D-Lighting →🕮 52
Print set →🕮 90
Slide show →🕮 107
Delete →🕮 108
Protect →🕮 108
Rotate image →🕮 109
Small picture →🕮 54
Voice memo →🕮 55

☑ Print Set

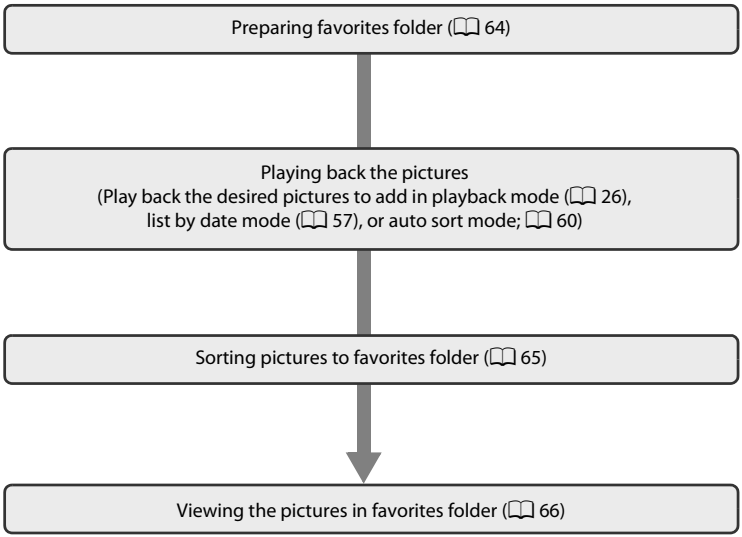
When print marking already exists for pictures sorted to categories other than that specified, a confirmation dialog **Save print marking for other images?** will be displayed.

- **Yes**: Add the previously marked pictures to the current print set.
- **No**: Remove print marking from the pictures previously marked.

Sorting Favorite Pictures (Favorite Pictures Mode)

Pictures can be added to the favorites folder sorted by each event such as travel or wedding. Once pictures are added to the favorites folder, only pictures in the selected folder can be played back. One picture can be added to multiple folders.

Sorting/Playback Procedure



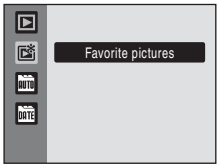
Preparing Favorites Folder

Changing the display icons for favorites folders enables you to see which pictures have been added to a favorites folder. The icons can be changed again after pictures have been added to the folders.

1 Press the ▶ button in playback mode to display the playback-mode selection menu and press the multi selector ▲ or ▼ to choose 🖼, and then press the OK button.

A list of favorite folders is displayed.

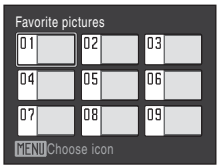




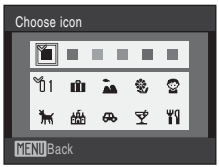
2 Choose the favorites folder and press the MENU button.

Icon selection screen is displayed.





3 Use the multi selector ◀ or ▶ to choose an icon color and press the OK button.



4 Use the multi selector ▲, ▼, ◀, or ▶ to choose an icon and press the OK button.

The icon will be changed and the monitor display will return to the list of favorite folders screen as in step 2.



Icons for Favorites Folder

Choose icons for favorites folders separately for the internal memory and for every memory card used. When favorite pictures stored to the internal memory, or a memory card, are played back without an icon having been selected, icons are displayed as numbers (default setting). Remove the memory card from the camera to change icons for the internal memory.

Sorting Pictures to a Favorites Folder

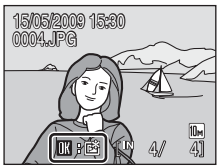
Pictures can be added to favorites folders and sorted. Adding the pictures enables easier and faster searching.

1 Playback the pictures in playback mode (26), list by date mode (57), or auto sort mode (60).

2 Select your favorite picture and press the OK button.

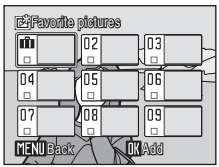
Select full-frame playback mode and press the OK button.

The favorites folders selection screen is displayed.



3 Use the multi selector to choose the favorites folder and press the OK button.

The pictures are added to the selected favorites folder.



Notes on Adding Favorite Pictures

- A favorites folder can contain up to 200 pictures.
- If the selected picture has been already added to the favorites folder, the checkbox on the selected folder will have the On mark (✔).
- One picture can be added to multiple favorite folders.
- When pictures are added to a favorites folder, they are not physically copied to a favorites folder or moved from the folder to which they were originally recorded (69).
- Movies cannot be added to favorites folders.

More information

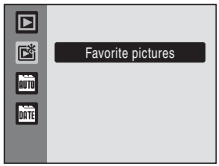
See "Removing Pictures from Favorites" (66) for more information.

Viewing the Pictures in Favorites Folder

Pictures can be displayed by selecting the favorites folder to which they were added in favorite pictures mode. In full-frame playback mode, just as with normal playback mode, picture display can be enlarged or pictures can be displayed in thumbnails, edited, or voice memos can be recorded or played back.

1 Press the ▶ button in playback mode to display the playback-mode selection menu, press the multi selector ▲ or ▼ to choose , and press the OK button.

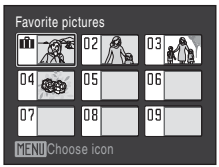




A list of favorites folders is displayed.

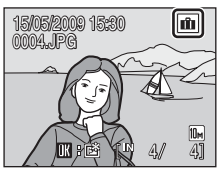
If the pictures have been added to the favorites folders, pictures in those favorites folders are displayed.

2 Choose the desired favorite folder and press the OK button.



The pictures in the selected favorites folder will be displayed in full-frame playback mode.

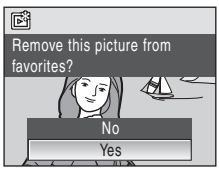
The icon of the favorites folder currently played back will be displayed on the top right of the screen.



Removing Pictures from Favorites

Press the OK button in the full-frame display in step 2 above and the removing favorites screen will be displayed.

To remove the picture from favorites, choose **Yes** and press the OK button. To cancel removing, choose **No** and press the OK button.



Difference between Removing and Deleting Favorites

In favorite pictures mode, pictures that have been added to the favorites folder are displayed (69). Deleting a picture during playback will delete the original picture that has been added to the favorites folder. To remove a picture from favorites without deleting it, just remove the desired picture from favorites folder.

Using Favorite Pictures Mode

The following operations are available in the favorites folders list screen.

To	Use	Description	🕮
Select favorites folder		Press the multi selector ▲, ▼, ◀, or ▶.	9
Switch to full-frame playback	OK	Press the OK button to display the first picture in the favorites folder.	26
Delete picture	🗑	Press the 🗑 button after selecting a favorites folder, and a confirmation dialogue will be displayed. Choose **Yes** and press the OK button to delete all pictures sorted to that favorites folder.	26
Change the icon for favorites folder	MENU	Change the icon for favorites folder.	64
Change playback mode	▶	Press the ▶ button to display the playback-mode selection menu.	8
Switch to shooting mode	📷 / 	Press the 📷 button or the shutter-release button to return to the last shooting mode selected.	26

Favorite Pictures Menu

Press the MENU button in full-frame playback mode in favorite pictures mode to display the following menus.

Quick retouch	→📖 51
D-Lighting	→📖 52
Print set	→📖 90
Slide show	→📖 107
Delete	→📖 108
Protect	→📖 108
Rotate image	→📖 109
Small picture	→📖 54
Voice memo	→📖 55

Print Set

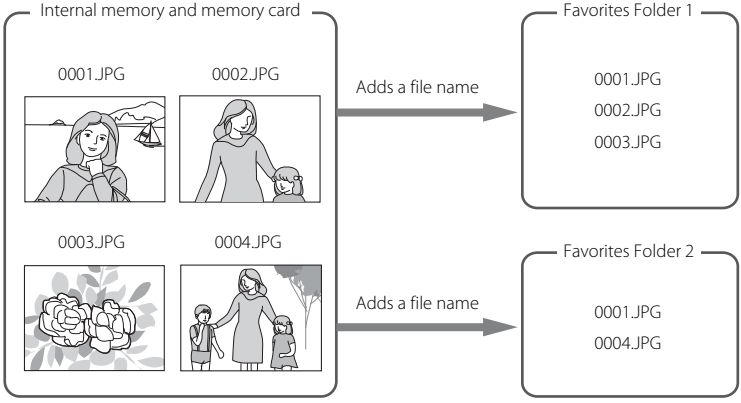
When print marking already exists for pictures sorted to folders other than that specified, a confirmation dialog **Save print marking for other images?** will be displayed.

- **Yes**: Add the previously marked pictures to the current print set.
- **No**: Remove print marking from the pictures previously marked.

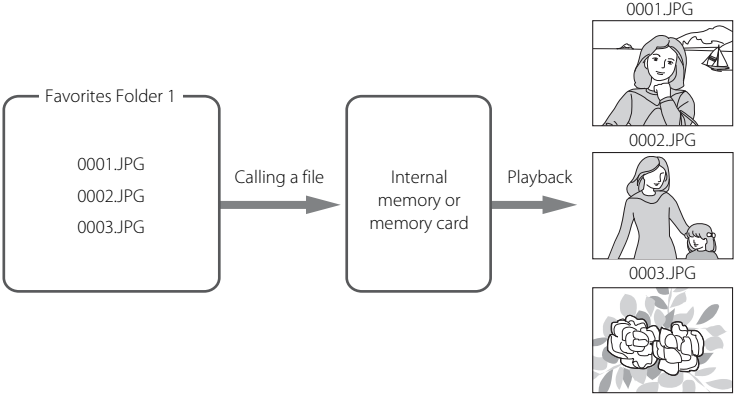
Adding/Viewing Favorite Pictures

When pictures are added to a favorites folder, they are not physically copied to a favorites folder or moved from the folder to which they were originally recorded (🕮 130). Only the file names of pictures are added to favorites folders. In favorite pictures mode, pictures with file names that have been added to the favorites folder are played back. Deleting a picture (🕮 26, 67, 108) during playback will delete the original picture that has been added to favorites, so be careful when deleting pictures.

Adding to Favorites



Favorites Picture Playback

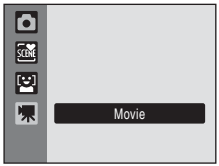


Recording Movies

To shoot movies with sound recorded via the built-in microphone, select shooting mode and follow the steps below.

1 Enter movie mode by pressing the button in shooting mode and selecting (press the multi selector ▲ or ▼), and then pressing the ⓞ button.

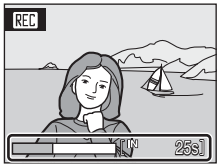




The maximum length of the movie that can be recorded is displayed in the monitor.

2 Press the shutter-release button all the way down to start recording.





Camera focuses on subject in the center of the frame.

A progress bar at the bottom of the monitor shows the amount of recording time remaining.

To end recording, press the shutter-release button all the way down a second time.

Recording stops automatically when the internal memory or memory card becomes full, or recording time reaches 25 minutes.

Recording Movies

- Flash mode (📖 28), self-timer (📖 30), and exposure compensation (📖 32) cannot be applied or changed. Macro mode (📖 31) is available.
- Macro mode setting cannot be applied or changed while movies are being recorded. Apply or change setting as necessary before movie recording begins.
- Optical zoom cannot be adjusted once movie recording begins. Digital zoom cannot be applied before movie recording begins. However, digital zoom (up to 2×) can be applied while movies are being recorded.
- The angle of view (field of view) when recording movies is smaller than when taking still pictures.

Note on Recording Movies

When the movie has been fully recorded to the internal memory or memory card, the monitor display will revert to the normal shooting mode display. ***Do not open the battery-chamber/memory card slot cover*** while movies are being recorded. Removing the memory card while movies are being recorded could result in loss of data or in damage to the camera or card.

Changing Movie Settings

Movie options (📖 71) and **Electronic VR** (📖 72) settings can be changed.

The Movie Menu

Movie options and **Electronic VR** (🕮 72) settings can be changed from the movie menu. Press the **MENU** button in movie mode to display the movie menu and use the multi selector to modify and apply settings.

Movie Options

Set to (Movie) ➔ **MENU** (Movie menu) ➔ Movie options

The movie menu offers the options shown below.

Option	Image size and frame rate
TV movie 640★ (default setting)	Image size: 640 × 480 pixels Frame rate: 30 frames per second
TV movie 640	Image size: 640 × 480 pixels Frame rate: 15 frames per second
Small size 320★	Image size: 320 × 240 pixels Frame rate: 30 frames per second
Small size 320	Image size: 320 × 240 pixels Frame rate: 15 frames per second

Movie Options and Maximum Movie Length

Option	Internal memory (approx.44 MB)	Memory card (512 MB)
TV movie 640★ (default setting)	40 s	Approx. 7 min 10 s
TV movie 640	1 min 19 s	Approx. 14 min 10 s
Small size 320★	1 min 19 s	Approx. 14 min 10 s
Small size 320	2 min 36 s	Approx. 25 min

* All figures are approximate. The maximum recording time may vary with make of memory card. This camera can record movies up to 25 minutes in length. A maximum movie length of 25 minutes is displayed, regardless of memory card capacity.

More Information

See "Image/Sound File and Folder Names" (🕮 130) for more information.

Electronic VR

Set to (Movie) ➔ MENU (Movie menu) ➔ Electronic VR

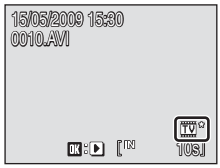
Choose whether to use electronic VR (vibration reduction) when shooting movies.

Option	Description
On	Reduce the effects of camera shake in all movie modes.
OFF Off (default setting)	Disable electronic VR.

At settings other than **Off**, the icon for the current setting is displayed in the monitor (📖 9).

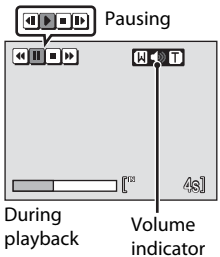
Movie Playback

In full-frame playback mode (📖 26), movies are recognized by the **Movie options** icon (📖 71). To play a movie, display it in full-frame playback mode and press the ⓞ button.



Rotate the zoom control to **T** or **W** to adjust playback volume.

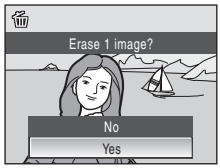
Playback controls appear at the top of the monitor. Press the multi selector ◀ or ▶ to choose a control, then press the ⓞ button to perform the selected operation. The following operations are available.



To	Use	Description	
Rewind	⏪	Rewind movie. Playback resumes when the ⓞ button is released.	
Advance	⏩	Advance movie. Playback resumes when the ⓞ button is released.	
Pause	⏸	Pause playback. While paused, use the controls to perform the following operations.	
		⏮	Rewind movie by one frame. Rewind continues while the ⓞ button is pressed.
		⏭	Advance movie by one frame. Advance continues while the ⓞ button is pressed.
		▶	Resume playback.
End	⏹	End playback and return to full-frame playback.	

Deleting Movie Files

Press the 🗑 button when displayed in full-frame playback mode (📖 26), or when selected in thumbnail playback mode (📖 47). A confirmation dialog is displayed. Choose **Yes** and press the ⓞ button to delete the movie, or choose **No** and press the ⓞ button to return to the normal playback display without deleting the movie.



Making Voice Recordings

Audio voice recordings can be recorded over the built-in microphone and played back over the built-in speaker.

1 Press the ◘ button in shooting mode to display the shooting-mode selection menu and press the multi selector ▲ or ▼ to select a scene icon.





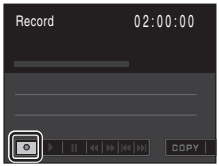
The icon for the last scene mode selected is displayed. The default setting is SCENE (Scene auto selector).

2 Press the multi selector ▶ and press ▲, ▼, ◀, or ▶ to select 🎙, and then press the ⓞ button.



The length of recording that can be made is displayed.

3 Press the multi selector ◀ or ▶ to choose ● and press the ⓞ button to start recording.



The indicator lamp lights during recording. After about 30 seconds, the camera's auto off function is enabled and the monitor turns off. Press the ▶ button to reactivate the monitor.

See "Operations During Recording" (📖 75) for more information.

4 Press ◀ or ▶ to choose ■ and press the ⓞ button to end recording.

Recording will end automatically if the internal memory or memory card becomes full, or after 120 minutes of recording on the memory card.

More Information

See "Image/Sound File and Folder Names" (📖 130) for more information.

Operations During Recording

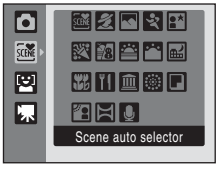


To	Use	Description
Select a control in the controls display		Press the multi selector ◀ or ▶. ■ : press the ⓞ button to end recording. ❚❚ : press the ⓞ button to pause playback. Select ↺ while paused and press the ⓞ button to resume recording.
Create index*		During recording, press the multi selector ▲ or ▼ to create index. Camera can skip to any index during playback. Start of recording is index number 01; other numbers are assigned in ascending order, to a maximum of 98.

* The copied files can be played back using QuickTime or any other WAV-compatible audio players. Note that index points created with the camera cannot be used when voice recordings are played back on computers.

1 Press the camera button in shooting mode to display the shooting-mode selection menu and press the multi selector ▲ or ▼ to select a scene icon.



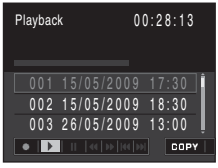


2 Press the multi selector ▶ and press ▲, ▼, ◀, or ▶ to select 🎙, and then press the OK button.

The voice recording screen is displayed.



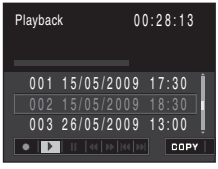
3 Press the multi selector ◀ or ▶ to select ▶.



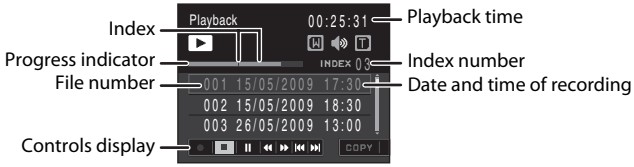
4 Press ▲ or ▼ to choose the desired file and press the OK button.

Playback starts.

For more information, see "Operations During Playback" (🕮 77).



Operations During Playback



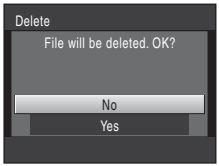
Rotate the zoom control to **T** or **W** to adjust playback volume.

Playback controls appear at the bottom of the monitor. Press the multi selector ◀ or ▶ to choose a control, then press the ⓞ button to perform the selected operation. The following operations are available.

To	Use	Description
Rewind	◀◀	Rewind voice recording. Playback resumes when the ⓞ button is released.
Advance	▶▶	Advance voice recording. Playback resumes when the ⓞ button is released.
Skip to previous index	⏮	Skip to previous index.
Skip to next index	⏭	Skip to next index.
Pause	❚❚ ▶	Pause playback. ❚❚ changes to ▶. Resume playback. ▶ changes to ❚❚.
End	■	End playback and return to the voice recording screen.

Deleting Sound Files

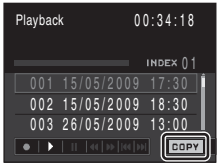
Press the 🗑 button during playback or after selecting a sound file in the voice recording screen (use the multi selector). A confirmation dialog will be displayed. To delete the file, choose **Yes** and press the ⓞ button. To cancel deletion, choose **No** and press the ⓞ button.



Copying Voice Recordings

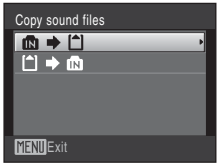
Copy voice recordings between the internal memory and a memory card. This option is available only when a memory card is inserted.

1 Press the multi selector ◀ or ▶ to select **COPY** in the voice recording screen (🕮 76, step 3) and press the ⓞ button.



2 Use the multi selector to choose the option and press the ⓞ button.

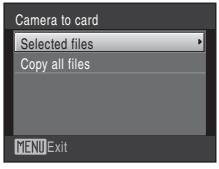
- IN ➡ 🗂: Copy recordings from internal memory to memory card.
- 🗂 ➡ IN: Copy recordings from memory card to internal memory.



3 Choose the copy option and press the ⓞ button.

Selected files: Proceed to step 4.

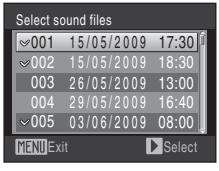
Copy all files: Proceed to step 5.



4 Choose the desired file.

Press the multi selector ▶ to select the file (✓). Press the multi selector ▶ again to cancel the selection.

- Multiple files can be selected.
- Press the ⓞ button to finalize file selection.



5 When a confirmation dialog is displayed, choose **Yes** and press the ⓞ button.

Copying starts.

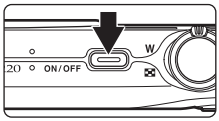
Voice Recordings

The COOLPIX S220/S225 may be unable to play or copy sound files created with another make of camera.

Connecting to a TV

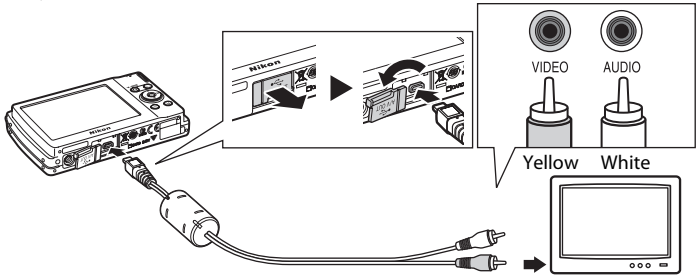
Connect the camera to a television using the supplied audio/video cable (AV cable) to play back pictures on the television.

1 Turn off the camera.



2 Connect the camera to the TV using the supplied AV cable.

Connect the yellow plug to the video-in jack on the TV, and the white plug to the audio-in jack.



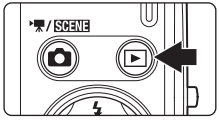
3 Tune the television to the video channel.

See the documentation provided with your television for details.

4 Hold down the ▶ button to turn on the camera.

The camera enters playback mode, and the pictures taken will be displayed on the television.

While connected to the TV, the camera monitor will remain off.



Connecting an AV Cable

When connecting the AV cable, be sure that the camera connector is oriented correctly. Do not use force when connecting the AV cable to the camera. When disconnecting the AV cable, do not pull the connector at an angle.

Video Mode

Be sure that the camera's video mode setting conforms to the standard used by your television. The video mode setting is an option set in the setup menu (📖 111)>**Video mode** (📖 124).

Connecting to a Computer

Use the supplied USB cable to connect the camera to a computer, and copy (transfer) pictures to a computer with the supplied Nikon Transfer software.

Before Connecting the Camera

Install the Software

Before connecting the camera to a computer, software, including Nikon Transfer and Panorama Maker for creating panorama images, must be installed from the supplied Software Suite CD. For more information on installing the software, refer to the *Quick Start Guide*.

Compatible Operating Systems

Windows

Preinstalled versions of Windows Vista Service Pack 1 (32-bit Home Basic/Home Premium/Business/Enterprise/Ultimate editions),
Windows XP Service Pack 3 (Home Edition/Professional)

Macintosh

Mac OS X (version 10.3.9, 10.4.11, 10.5.5)

Refer to the Nikon website for the latest information on operating system compatibility.

Notes on Power Source

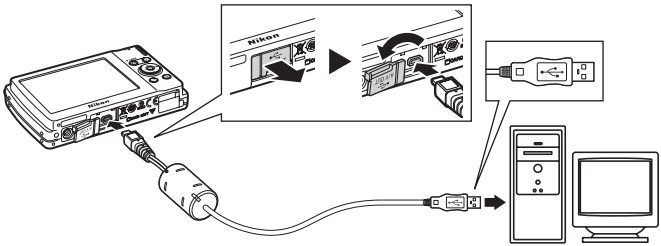
- When connecting the camera to a computer or printer, use a fully charged battery to prevent the camera from turning off unexpectedly.
- If the AC Adapter EH-62D (available separately) is used, COOLPIX S220/S225 can be powered from a home electrical outlet. Do not use any other AC adapters as it will cause the camera to heat up or malfunction.

Transferring Pictures from a Camera to a Computer

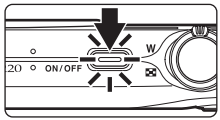
1 Start the computer to which Nikon Transfer was installed.

2 Turn off the camera.

3 Connect the camera to the computer using the supplied USB cable.



4 Turn on the camera.



The power-on lamp will light up.

Windows Vista

When the AutoPlay dialog is displayed, click **Copy pictures to a folder on my computer using Nikon Transfer**. Nikon Transfer will start.

To bypass this dialog in the future, check **Always do this for this device**.

Windows XP

When the action selection dialog is displayed, select **Nikon Transfer Copy pictures to a folder on my computer** and click **OK**. Nikon Transfer will start.

To bypass this dialog in the future, check **Always use this program for this action.**.

Mac OS X

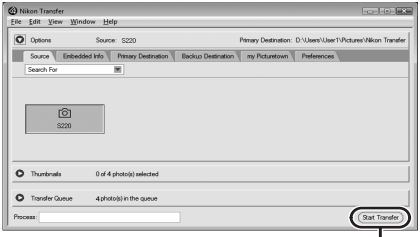
Nikon Transfer will start automatically if **Yes** was selected in the Auto-Launch setting dialog when Nikon Transfer was first installed.

Connecting the USB Cable

- When connecting the USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the USB cable. When disconnecting the USB cable, do not pull the connector at an angle.
- Connection may not be recognized when the camera is connected to a computer via a USB hub.

5 Transfer pictures when Nikon Transfer has finished loading.

Click **Start Transfer** in Nikon Transfer. At the default setting, all pictures are transferred to the computer.



Start Transfer button

At the Nikon Transfer default setting, the folder to which the pictures were transferred opens automatically when transfer ends.

If ViewNX has been installed, ViewNX will start automatically and transferred pictures can be viewed.

For more information on using Nikon Transfer or ViewNX, refer to help information contained in Nikon Transfer or ViewNX.

6 Disconnect the camera when transfer is complete.

Turn the camera off and disconnect the USB cable.

Using a Card Reader

The pictures stored on the memory card inserted into a card reader or similar device can also be transferred to the computer using Nikon Transfer.

- If the memory card has a capacity greater than 2 GB, or is SDHC-compliant, the intended device must support these features of the memory card.
- At the Nikon Transfer default settings, Nikon Transfer will start automatically when a memory card is inserted into the card reader or similar device. See step 5 of "Transferring Pictures from a Camera to a Computer" (82) and transfer pictures.
- To transfer pictures stored in the camera's internal memory to the computer, the pictures must first be copied to a memory card using the camera (78, 109).

Using Standard OS Operations to Open Camera Files

- Navigate to the folder on the computer's hard disk to which pictures were saved and open a picture in the viewer supplied with your operating system.
- Sound files copied to the computer can be played back using QuickTime or any other WAV-compatible audio player.

Panorama Creation with Panorama Maker

- Use a series of pictures taken using the **Panorama assist** option in scene mode (39) to create a single panorama photo with Panorama Maker.
- Panorama Maker can be installed to a computer using the supplied Software Suite CD.
- After installation is complete, follow the procedure described below to start Panorama Maker.
 Windows

 Choose **Start** menu>**All Programs**>**ArcSoft Panorama Maker 4**>**Panorama Maker 4**.

 Macintosh

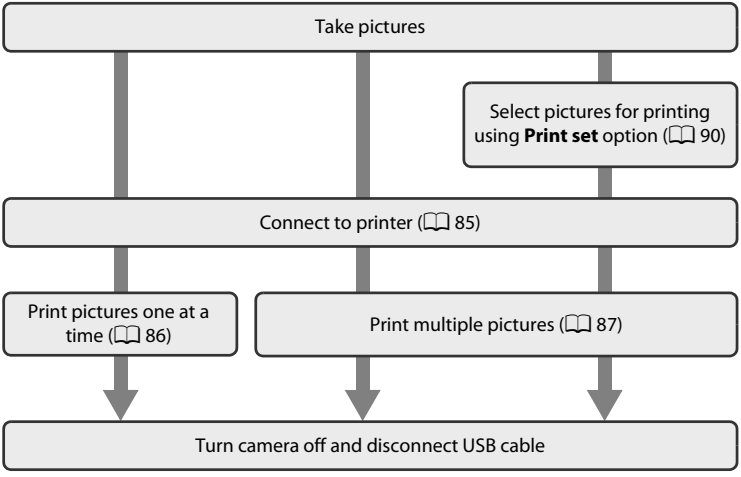
 Open Applications by selecting **Applications** from the **Go** menu, and double-click the **Panorama Maker 4** icon.
- For more information on using Panorama Maker, refer to the on-screen instructions and help information contained in Panorama Maker.

Image File Names and Folder Names

See "Image/Sound File and Folder Names" (130) for more information.

Connecting to a Printer

Users of PictBridge-compatible (📖 147) printers can connect the camera directly to the printer and print pictures without using a computer.



Notes on Power Source

- When connecting the camera to a computer or printer, use a fully charged battery to prevent the camera from turning off unexpectedly.
- If the AC Adapter EH-62D (available separately) is used, COOLPIX S220/S225 can be powered from a home electrical outlet. Do not use any other AC adapters as it will cause the camera to heat up or malfunction.

Printing Pictures

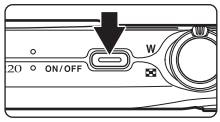
In addition to printing pictures transferred to a computer from your personal printer and printing over a direct camera-to-printer connection, the following options are also available for printing pictures:

- Insert a memory card into a DPOF-compatible printer's card slot
- Take a memory card to a digital photo lab

For printing using these methods, specify the pictures and the number of prints each using your camera's **Print set** menu (📖 90).

Connecting the Camera and Printer

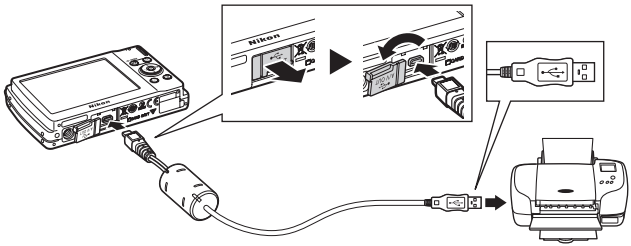
1 Turn off the camera.



2 Turn on the printer.

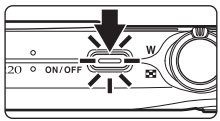
Check printer settings.

3 Connect the camera to the printer using the supplied USB cable.

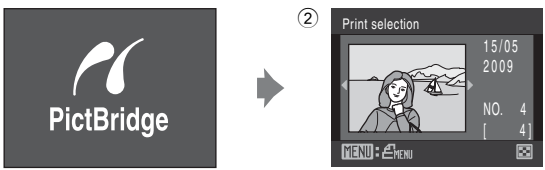


4 Turn on the camera.

When connected correctly, the PictBridge startup screen ① will be displayed in the camera monitor. Then the print selection screen will be displayed ②.



① ②



Connecting the USB Cable

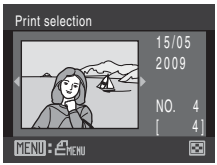
When connecting the USB cable, be sure that the connectors are oriented correctly. Do not use force when connecting the USB cable. When disconnecting the USB cable, do not pull the connector at an angle.

Printing Pictures One at a Time

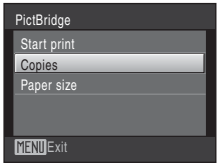
After connecting the camera to the printer correctly (🕮 85), print pictures by following the procedures below.

1 Use the multi selector to choose the desired picture and press the ⓞ button.

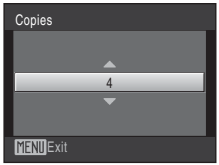
Rotate the zoom control to **W** (▪▪) to switch to 12-thumbnail display, and to **T** (🔍) to switch back to full-frame playback.



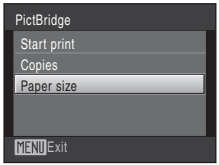
2 Choose **Copies** and press the ⓞ button.



3 Choose the number of copies (up to nine) and press the ⓞ button.

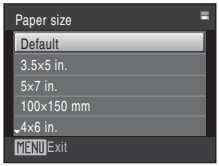


4 Choose **Paper size** and press the ⓞ button.

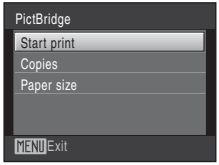


5 Choose the desired **Paper size** and press the ⓞ button.

To specify paper size using printer settings, choose **Default** in the paper size menu.



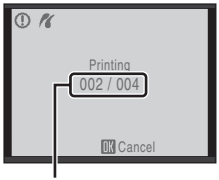
6 Choose **Start print** and press the ⓞ button.



7 Printing starts.

Monitor display returns to the print selection screen (step 1) when printing is complete.

To cancel before all copies have been printed, press the ⓞ button.



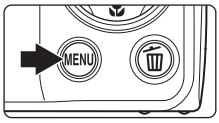
Current print/
total number of prints

Printing Multiple Pictures

After connecting the camera to the printer correctly (🕮 85), print pictures by following the procedures below.

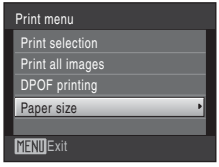
1 When the print selection screen is displayed, press the MENU button.

The print menu is displayed.



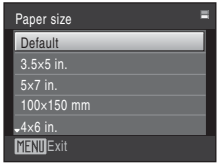
2 Use the multi selector to choose **Paper size** and press the ⓞ button.

To exit the print menu, press the MENU button.

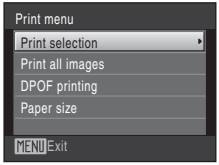


3 Choose the desired **Paper size** and press the ⓞ button.

To specify paper size using printer settings, choose **Default** in the paper size menu.



4 Choose **Print selection**, **Print all images** or **DPOF printing** and press the OK button.

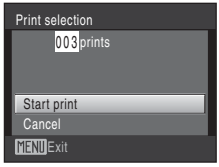


Print selection

Choose the pictures (up to 99) and the number of copies (up to nine) of each.
Press the multi selector ◀ or ▶ to select pictures, and press ▲ or ▼ to set the number of copies for each.
Picture selected for printing can be recognized by the check mark (✓) and the numeral indicating the number of copies to be printed. Check marks are not displayed with pictures for which no copies have been specified and these pictures will not be printed.
Rotate the zoom control to **T** (🔍) to switch to full-frame playback.
Rotate the zoom control to **W** (▦) to switch back to 12-thumbnail display.
Press the OK button when setting is complete.

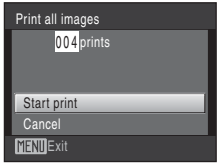


The menu shown at right will be displayed.
To print, choose **Start print** and press the OK button.
Choose **Cancel** and press the OK button to return to the print menu.



Print all images

All pictures stored in the internal memory, or on the memory card, are printed one at a time.
The menu shown at right will be displayed.
To print, choose **Start print** and press the OK button.
Choose **Cancel** and press the OK button to return to the print menu.



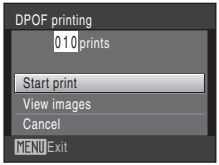
DPOF printing

Print pictures for which a print order was created in **Print set** (📖 90).

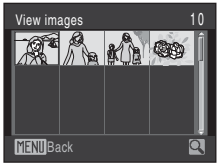
The menu shown at right will be displayed.

To print, choose **Start print** and press the OK button.

Choose **Cancel** and press the OK button to return to the print menu.



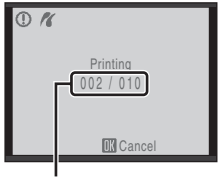
To view the current print order, choose **View images** and press the OK button. To print pictures, press the OK button again.



5 Printing starts.

Monitor display returns to the print menu (step 2) when printing is complete.

To cancel before all copies have been printed, press the OK button.



Current print/
total number of prints

Paper Size

The camera supports the following paper sizes: **Default** (the default paper size for the current printer), **3.5×5 in.**, **5×7 in.**, **100×150 mm**, **4×6 in.**, **8×10 in.**, **Letter**, **A3**, and **A4**. Only sizes supported by the current printer will be displayed. To specify paper size using printer settings, choose **Default** in the paper size menu.

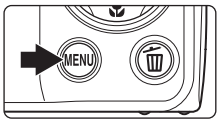
Creating a DPOF Print Order: Print Set

The **Print set** option in the playback menu is used to create digital "print orders" for printing on DPOF-compatible devices (📖 147).

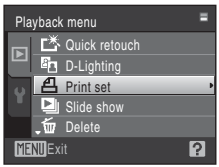
When the camera is connected to a PictBridge-compatible printer, pictures can be printed from the printer according to the DPOF print order you have created for pictures on the memory card. If the memory card is removed from the camera, you can create the DPOF print order for pictures in the internal memory and print pictures according to the DPOF print order.

1 Press the MENU button in playback mode.

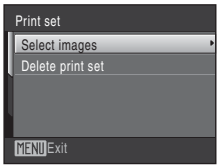
The playback menu is displayed.



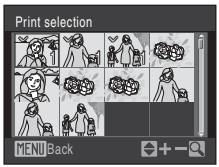
2 Use the multi selector to choose **Print set** and press the OK button.



3 Choose **Select images** and press the OK button.



4 Choose the pictures (up to 99) and the number of copies (up to nine) for each.



Press the multi selector ◀ or ▶ to select pictures, and press ▲ or ▼ to set the number of copies for each.

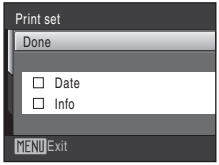
Picture selected for printing can be recognized by the check mark (✓) icon and the numeral indicating the number of copies to be printed. Check marks are not displayed with pictures for which no copies have been specified and these pictures will not be printed.

Rotate the zoom control to **T** (🔍) to switch to full-frame playback.

Rotate the zoom control to **W** (▦) to switch back to 12-thumbnail display.

Press the OK button when setting is complete.

5 Choose whether or not to print shooting date and photo information.

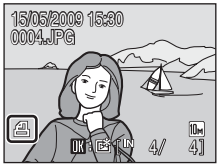


Choose **Date** and press the OK button to print the shooting date on all pictures in the print order.

Choose **Info** and press the OK button to print shutter speed and aperture information on all pictures in the print order.

Choose **Done** and press the OK button to complete the print order and exit.

Pictures selected for printing are recognized by the 🖨 icon displayed with playback.



Notes on Printing Shooting Date and Photo Information

When the **Date** and **Info** options are enabled in the **Print set** menu, shooting date and photo information are printed on pictures when a DPOF-compatible (📖 147) printer which supports printing of shooting date and photo information is used.

- Photo information cannot be printed when the camera is connected directly to a printer, via the supplied USB cable, for DPOF printing (📖 89).
- **Date** and **Info** are reset each time the print set menu is displayed.

Deleting All Print Orders

Choose **Delete print set** in step 3 and press the OK button. Print orders for all pictures will be deleted.

Note on the Print Set Date Option

The date and time printed on pictures with DPOF printing when **Date** in the **Print set** menu is enabled, are those recorded with the picture as it was taken. Date and time printed using this option are not affected when the camera's date and time setting are changed from the setup menu after pictures are recorded.



Date Imprint

When date and time of recording are imprinted on pictures using the **Date Imprint** option (📖 119) in the setup menu, pictures with the date and time imprinted on them can be printed from printers that do not support printing of the date and time on pictures. Only the date with the **Date imprint** option will be printed, even if **Print set** is enabled with **Date** selected in the print set screen.

Shooting Options: The Shooting Menu

The shooting menu contains the following options.

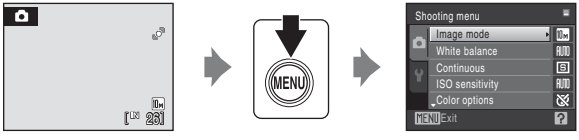
	Image mode*	93
	Choose image size and quality.	
WB	White balance	95
	Match white balance to the light source.	
	Continuous	97
	Change settings for Continuous or BSS (best shot selector).	
ISO	ISO sensitivity	99
	Control camera's sensitivity to light.	
	Color options	99
	Apply color effects to pictures as they are recorded.	
	AF area mode	100
	Choose where the camera focuses.	
	Distortion control	103
	Correct the distortion.	

* The **Image mode** setting is also available from other shooting menus (except the movie menu).

Displaying the Shooting Menu

Enter (auto) mode (20).

Press the MENU button to display the shooting menu.



- Use the multi selector to choose and apply settings (9).
- To exit the shooting menu, press the MENU button.

Functions that Cannot Be Applied Simultaneously

Some functions cannot be enabled in conjunction with others (104).

Image Mode

Set to (auto) ➔ MENU (Shooting menu) ➔ Image mode

Choose an image mode, which is the combination of image size and image quality (compression), according to how you plan to use the picture and the capacity of the internal memory or memory card. The larger the image, the larger the size at which it can be printed or displayed without becoming noticeably "grainy," limiting the number of pictures that can be recorded.

Option	Size (pixels)	Description
High (3648★)	3,648 × 2,736	Highest quality, suitable for enlargements or high-quality prints. The compression ratio is approximately 1:4.
Normal (3648) (default setting)	3,648 × 2,736	Best choice in most situations. The compression ratio is approximately 1:8.
Normal (2592)	2,592 × 1,944	
Normal (2048)	2,048 × 1,536	Smaller size allows more pictures to be stored. The compression ratio is approximately 1:8.
PC screen (1024)	1,024 × 768	Suited to display on a computer monitor. The compression ratio is approximately 1:8.
TV screen (640)	640 × 480	Suited to full-screen display on a television, or distribution by e-mail. The compression ratio is approximately 1:8.
16:9 (3584)	3,584 × 2,016	Pictures with an aspect ratio of 16:9 can be taken. The compression ratio is approximately 1:8.

The icon for the current setting is displayed in the monitor in shooting and playback modes (📖 6, 7).

Image Mode

Change made to this setting applies to all shooting modes (except the movie menu).

Number of Exposures Remaining

The following table lists the approximate number of pictures that can be stored in internal memory and on a 512 MB memory card. Note that the number of pictures that can be stored will differ depending on the composition of the picture (due to JPEG compression). In addition, this number may differ depending on the make of memory card, even if the capacity for the memory card is the same.

Setting	Internal memory (approx. 44 MB)	Memory card[1] (512 MB)	Print size[2] (cm/in.)
High (3648★)	9	95	31 × 23/12.2 × 9
Normal (3648)	18	190	31 × 23/12.2 × 9
Normal (2592)	35	375	22 × 16.5/8.7 × 6.5
Normal (2048)	55	590	17 × 13/6.7 × 5.1
PC screen (1024)	188	2010	9 × 7/3.5 × 2.8
TV screen (640)	353	3775	5 × 4/2 × 1.6
16:9 (3584)	25	265	30 × 17/11.8 × 6.7

[1] If the number of exposures remaining is 10,000 or more, the number of exposures remaining display shows "**9999**".

[2] All figures are approximate. Print size at an output resolution of 300 dpi. Print sizes are calculated by dividing the number of pixels by printer resolution (dpi) and multiplying by 2.54 cm (1 in.). However, at the same image size, pictures printed at higher resolutions will print smaller than the size indicated, and those printed at lower resolutions will print larger than the size indicated.

WB White Balance

Set to 📷 (auto) ➔ MENU (Shooting menu) ➔ WB White balance

The color of light reflected from an object varies with the color of the light source. The human brain is able to adapt to changes in the color of the light source, with the result that white objects appear white whether seen in the shade, direct sunlight, or under incandescent lighting. Digital cameras can mimic this adjustment by processing images according to the color of the light source. This is known as "white balance." For natural coloration, choose a white balance setting that matches the light source before shooting. Although the default setting, **Auto**, can be used under most types of lighting, you can apply the white balance setting suited to a particular light source to achieve more accurate results.

AUTO	Auto (default setting)
	White balance automatically adjusted to suit lighting conditions. Best choice in most situations.
PRE	Preset manual
	Neutral-colored object used as reference to set white balance under unusual lighting conditions. Refer to "Preset Manual" for more information (📖 96).
☀	Daylight
	White balance adjusted for direct sunlight.
💡	Incandescent
	Use under incandescent lighting.
▦	Fluorescent
	Use under most types of fluorescent lighting.
☁	Cloudy
	Use when taking pictures under overcast skies.
ϟ	Flash
	Use with the flash mode.

The effects of the selected option can be previewed in the monitor. At settings other than **Auto**, the icon for the current setting is displayed in the monitor (📖 6).

Flash Mode

At white-balance settings other than **Auto** or **Flash**, turn the flash off (⊘) (📖 28).

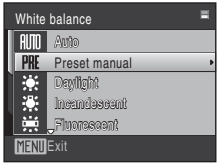
Preset Manual

Preset manual is used with mixed lighting or to compensate for light sources with a strong color cast (for example, to make pictures taken under a lamp with a red shade look as though they had been taken under white light).

1 Place a white or gray reference object under the lighting that will be used during shooting.

2 Use the multi selector to choose **PRE Preset manual** in the **White balance** menu and press the OK button.

The camera zooms in.

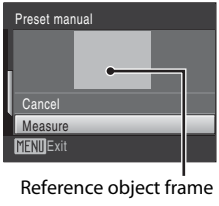


3 Choose **Measure**.

To apply the most recently measured value for preset manual, choose **Cancel** and press the OK button.



4 Frame the reference object.



5 Press the OK button.

The shutter is released and the new white-balance value is set.

No pictures are recorded.

Note on Preset Manual

Regardless of the flash mode selected, the flash will not fire when the OK button is pressed in step 5. Therefore, a white-balance value cannot be measured when the flash fires.

Continuous

Set to (auto) ➔ MENU (Shooting menu) ➔ Continuous

Change settings to Continuous or BSS (best shot selector). Flash will be switched off for Continuous, BSS or Multi-shot 16, and focus, exposure and white balance are fixed at the values for the first picture in each series.

Single (default setting)

One shot is taken each time shutter-release button is pressed.

Continuous

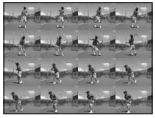
While the shutter-release button is held down, up to 6 pictures are taken at a rate of about 1.2 frames per second (fps) when **Image mode** is set to **Normal (3648)**.

BSS (Best Shot Selector)

The "best shot selector" is recommended when shooting with the flash off or the camera zoomed in, or in other situations in which inadvertent motion can result in blurred pictures. When BSS is on, the camera takes up to ten pictures while the shutter-release button is held down. The sharpest picture in the series is automatically selected and saved.

Multi-shot 16

Each time the shutter-release button is pressed, camera takes 16 shots at about 7 frames per second and arranges them in a single picture with **Image mode** setting set to **Normal (2592)**.
Digital zoom is not available.
ISO sensitivity (📖 99) is fixed at **Auto** and **Color options** (📖 99) is fixed at **Standard color**.



Intvl timer shooting

Camera takes pictures automatically at specified interval (📖 98).

At settings other than **Single**, the indicator for the current setting is displayed in the monitor (📖 6).

Note on Continuous Shooting

The maximum frame rate with continuous shooting may vary, depending upon the current image mode setting and the memory card used.

Note on Multi-shot 16

If bright objects such as the sun or electric lights are captured during shooting with the **Multi-shot 16** option, vertical streaks of light may appear in the recorded images. We recommend that you avoid capturing bright objects during shooting with the **Multi-shot 16** option.

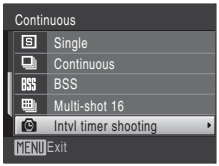
Note on BSS

BSS may not produce the desired results if the subject moves or the composition changes while the shutter-release button is pressed all the way down.

Interval Timer Photography

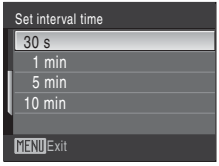
Pictures are taken automatically at specified intervals. Choose an interval of **30 s**, **1 min**, **5 min**, or **10 min**.

1 Use the multi selector to choose **Intvl timer shooting** in the **Continuous** menu and press the OK button.



2 Choose interval between shots and press the OK button.

The maximum number of pictures varies according to the specified interval.
30 s: up to 600 pictures
1 min: up to 300 pictures
5 min: up to 60 pictures
10 min: up to 30 pictures



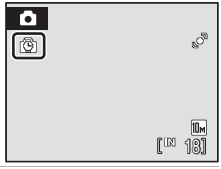
3 Press the MENU button to exit the menu.

The camera returns to shooting mode.

4 Press the shutter-release button all the way down to take the first picture and initiate interval timer shooting.

Monitor turns off and power-on lamp blinks between shots.

The monitor turns on automatically right before the next shot is taken.



5 Press the shutter-release button all the way down again to end recording.

Recording will end automatically if the internal memory or memory card becomes full, or when the maximum number of pictures have been taken.

Notes on Power Source

- To prevent the camera from turning off unexpectedly during recording, use a fully charged battery.
- If the AC Adapter EH-62D (available separately) is used, COOLPIX S220/S225 can be powered from a home electrical outlet. Do not use any other AC adapters as it will cause the camera to heat up or malfunction.

More Information

See "Image/Sound File and Folder Names" (130) for more information.

ISO ISO Sensitivity

Set to 📷 (auto) ➔ MENU (Shooting menu) ➔ ISO ISO sensitivity

Sensitivity is a measure of how quickly the camera reacts to light. The higher the sensitivity, the less light needed to make an exposure. Although a high ISO rating is suited for taking pictures of subjects in action or in poor lighting, high sensitivity is often associated with "noise" - randomly spaced, brightly colored pixels concentrated in dark parts of the image.

Auto (default setting)

Sensitivity is ISO 80 under normal conditions; when lighting is poor and the flash is off, the camera compensates by raising sensitivity to a maximum of ISO 800.

High ISO sensitivity auto

ISO sensitivity is automatically adjusted within the range between 80 and 1600, depending upon the brightness of the scene.

80, 100, 200, 400, 800, 1600, 2000

Sensitivity will be locked at the specified value.

Motion detection (📖 120) does not function when any option other than **Auto** is selected.

At the settings other than **Auto**, the current setting is displayed in the monitor (📖 6). If **Auto** is selected and the sensitivity is raised above ISO 80, the ISO icon will be displayed (📖 29). When **High ISO sensitivity auto** is selected, HI ISO is displayed.

Color Options

Set to 📷 (auto) ➔ MENU (Shooting menu) ➔ Color options

Make colors more vivid or record pictures in monochrome.

Standard color (default setting)

Use for pictures exhibiting natural color.

Vivid color

Use to achieve a vivid, "photoprint" effect.

Black-and-white

Record pictures in black-and-white.

Sepia

Record pictures in sepia tones.

Cyanotype

Record pictures in cyan-blue monochrome.

Pastel

Change to a pastel shade.

The effects of the selected option can be previewed in the monitor. At settings other than **Standard color**, the icon for the current setting is displayed in the monitor (📖 6).

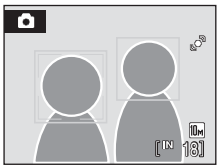
[+] AF Area Mode

Set to [camera] (auto) ➔ MENU (Shooting menu) ➔ [+] AF area mode

Use this option to determine where the camera focuses. When digital zoom is in effect, focus will be on the center of the screen regardless of the settings used.

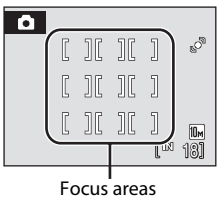
[face] Face priority (default setting)

When the camera recognizes a face looking toward the camera, the camera will focus on that face. See "Face Priority" (📖 102) for more information. If more than one face is recognized, focus will be on the face closest to the camera.
When shooting pictures of subjects other than people, or framing a subject with which no face is recognized, **AF area mode** will switch to **Auto**, and the camera will automatically select the focus area (one of nine) containing the subject closest to the camera.



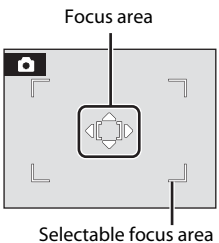
[▣] Auto

Camera automatically selects the focus area (one of nine) containing the subject closest to the camera. Press the shutter-release button halfway to activate the focus area. When the shutter-release button is pressed halfway, the focus area selected by the camera will be displayed in the monitor.



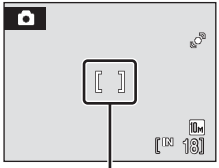
[⋯] Manual

This option is suited to situations in which the intended subject is relatively still and not positioned in the center of the frame.
Press the multi selector ▲, ▼, ◀, or ▶ to select from 99 focus areas in the frame. Pictures can be taken while focus-area selection screen is displayed.
To end focus-area selection and adjust the flash, macro, self-timer and exposure compensation settings, press the OK button. To return to the focus area selection screen, press the OK button again.



[▪] Center

Camera focuses on subject in the center of the frame. Center focus area is always displayed.



Focus Lock

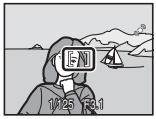
To focus on off-center subjects when **Center** is selected for **AF area mode**, use focus lock as described below.

1 Position the subject in the center of the frame.

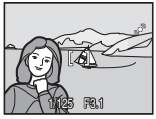


2 Press the shutter-release button halfway.
- Confirm that the focus area is green.
- Focus and exposure are locked.





3 Continue holding down the shutter-release button halfway and recompose the picture.
- Be sure that the distance between the camera and the subject does not change.



4 Press the shutter-release button the rest of the way down to take the picture.



More Information

See "Autofocus" (📖 25) for more information.

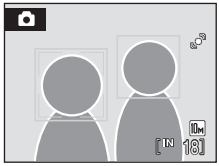
Face Priority

The face-priority function is activated when **Face priority** (default setting) is selected for **AF area mode** (📖 100), when shooting in **Scene auto selector** (📖 34), **Portrait** (📖 34), or **Night portrait** (📖 35) scene mode, or when shooting in smile mode (📖 45).

The camera automatically detects and focuses on a face looking toward the camera.

1 Frame a picture.

When the camera recognizes a face looking toward the camera, that face will be framed by a yellow double border.



When the camera detects more than one face, operation varies, depending upon the shooting mode, as follows.

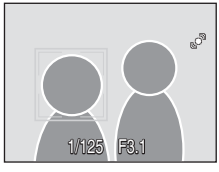
Shooting mode	Faces framed by a double border	The number of faces to be recognized
(auto) mode (Face priority)	The face closest to the camera * The other faces are framed by a single border.	Up to 12
Scene mode: **Scene auto selector**, **Portrait**, **Night portrait**		
Smile mode	The face closest to the center of the frame * The other faces are framed by a single border.	Up to 3

2 Press the shutter-release button halfway.

Focus will be on the face framed by the double border. The double border will glow green once focus has been locked.

When the camera is unable to focus, the double border will blink. Press the shutter-release button halfway again and focus.

Press the shutter-release button the rest of the way down to take the picture.



You don't need to press the shutter-release button halfway in smile mode. If the camera detects the smiling face, the shutter is automatically released (📖 45).

Notes on Face-Priority

- In **Face priority**, if the shutter-release button is pressed halfway when no faces are recognized, AF area mode will be set to **Auto**.
- If no face is detected when the shutter-release button is pressed halfway in **Portrait** or **Night portrait** scene mode, or smile mode, the camera will focus on the subject in the center focus area.
- The camera may be unable to detect faces in the following situations:
 - When faces are partially hidden by sunglasses or other obstructions
 - When the subject is not looking directly at the camera
 - When faces take up too much or too little of the frame
- The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera.
- In some rare cases, the subject may not be in focus despite the fact that the double border glows green (📖 25). Should this occur, switch to 📷 (auto) mode and set **AF area mode** to **Manual** or **Center**, refocus on another subject positioned at the same distance from the camera as the actual portrait subject, and use focus lock (📖 101).
- When pictures in which a face was detected during shooting are played back, the pictures will be automatically rotated for playback display, according to the orientation of the face detected.

Distortion Control

Set to 📷 (auto) ➔ MENU (Shooting menu) ➔ Distortion control

Specify whether or not the distortion is corrected. Enabling distortion control reduces the size of the frame.

On

Distortion at frame peripheries is corrected.

Off (default setting)

No distortion correction performed.

At settings other than **Off**, the icon for the current setting is displayed in the monitor (📖 6).

Functions that Cannot Be Applied Simultaneously

Restrictions apply to the following settings in (auto) mode.

Flash mode

Flash mode is automatically fixed at (Off) when **Continuous**, **BSS**, or **Multi-shot 16** is selected for the **Continuous** setting. Selecting **Single** or **Intvl timer shooting** for **Continuous** setting restores the last flash mode setting applied.

Self-timer

If self-timer is on, only one picture will be taken when the shutter is released, regardless of settings selected for the **Continuous** setting. The last **Continuous** setting applied is restored when picture is taken or self-timer is turned off.

Continuous

Image mode is automatically fixed at **5M Normal (2592)**, **ISO sensitivity** is automatically fixed at **Auto**, and **Color options** is automatically fixed at **Standard color** when **Multi-shot 16** is selected for the **Continuous** setting.
The last settings applied for **Image mode**, **ISO sensitivity**, and **Color options** are restored when any setting other than **Multi-shot 16** is selected for the **Continuous** setting.

White balance and Color options

White balance is automatically fixed at **Auto** when **Black-and-white**, **Sepia** or **Cyanotype** is selected for **Color options**.
Applied white balance setting is restored when **Standard color**, **Vivid color**, or **Pastel** is selected.

Distortion control

When **Distortion control** is set to **On**, the **Continuous** setting is automatically set to **Single**.
Even when the **Distortion control** option is disabled, the **Continuous** setting does not change.

Playback Options: The Playback Menu

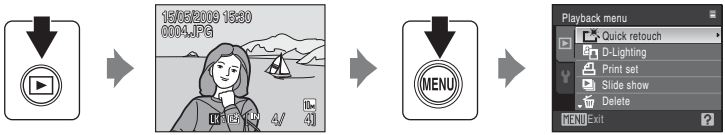
The playback menu contains the following options.

	Quick retouch	51
	Easily create retouched copies in which contrast and saturation have been enhanced.	
	D-Lighting	52
	Enhances brightness and contrast in dark portions of pictures.	
	Print set	90
	Select pictures to print and the number of copies for each.	
	Slide show	107
	View pictures stored in the internal memory or on a memory card in an automatic slide show.	
	Delete	108
	Delete all or selected pictures.	
	Protect	108
	Protect selected pictures from accidental deletion.	
	Rotate image	109
	Change the orientation of pictures.	
	Small picture	54
	Create a small copy of the current picture.	
	Voice memo	55
	Record voice memos for pictures.	
	Copy	109
	Copy files between memory card and internal memory.	

Displaying the Playback Menu

Enter the playback mode by pressing the ▶ button (📖 26).

Press the **MENU** button to display the playback menu.



- Use the multi selector to choose and apply settings (📖 9).
- To exit the playback menu, press the **MENU** button.

Selecting Pictures

The picture selection screen, as shown at right, will be displayed with the following menus:



- **Playback menu**: **Print set**>**Select images** (📖 90)
 Delete>**Erase selected images** (📖 108)
 Protect (📖 108)
 Rotate image (📖 109)
 Copy>**Selected images** (📖 109)
- **Setup menu**: **Welcome screen** (📖 114)

Follow the procedures described below to choose the pictures.

1 Press the multi selector ◀ or ▶ to choose the desired picture.



Only one picture can be selected for **Rotate image** and **Welcome screen**. Proceed to step 3.

Rotate the zoom control to **T** (🔍) to switch to full-frame playback.
Rotate the zoom control to **W** (▦) to switch back to 12-thumbnail display.

2 Press ▲ or ▼ to select **ON** or **OFF** (or the number of copies).



When **ON** is selected, a check mark (✔) is displayed in the top left corner of the current picture. Repeat steps 1 and 2 to select additional pictures.

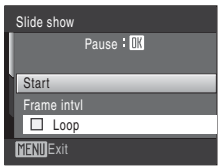
3 Press the Ⓚ button to apply picture selection.

Slide Show

Press the ▶ button (Playback mode) ➔ MENU (Playback menu) ➔ Slide show

Play back pictures, stored in the internal memory or on a memory card, one by one in an automated "slide show."

1 Use the multi selector to choose **Start** and press the ⓞ button.



To change the interval between pictures, choose **Frame intvl**, select the desired interval time, and press the ⓞ button before choosing **Start**.

To repeat the slide show automatically, enable **Loop** and press the ⓞ button before choosing **Start**. The check mark (✔) will be added to the loop option when enabled.

2 The slide show begins.

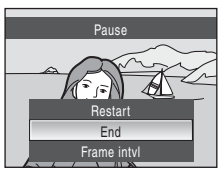


While the slide show is in progress, the following operations are available:

Press the multi selector ▶ to display the subsequent picture or ◀ to display the previous picture. Hold down either button to fast forward or rewind.

Press the ⓞ button to pause the slide show.

3 Choose **End** or **Restart**.



When the slide show ends or is paused, choose **End** and press the ⓞ button to return to the playback menu, or choose **Restart** to play the slide show again.

Notes on Slide Show

- Only the first frame of movies (📖 73) included in slide shows is displayed.
- Even if **Loop** is selected, the maximum playback duration for a slide show is 30 minutes (📖 122).

Delete

Press the ▶ button (Playback mode) ➔ MENU (Playback menu) ➔ Delete

Delete selected pictures or all pictures.

Erase selected images

Delete selected pictures (📖 106).

Erase all images

Delete all pictures.

Notes on Deletion

- Once deleted, pictures cannot be recovered. Transfer important images to a computer before deletion.
- Pictures marked with the icon are protected and cannot be deleted.

Protect

Press the ▶ button (Playback mode) ➔ MENU (Playback menu) ➔ Protect

Protect selected pictures from accidental deletion.

Choose pictures in the picture selection screen to apply the protect option (Selecting Pictures → 📖 106).

Note, however, that formatting the camera's internal memory or the memory card will permanently erase protected files (📖 123).

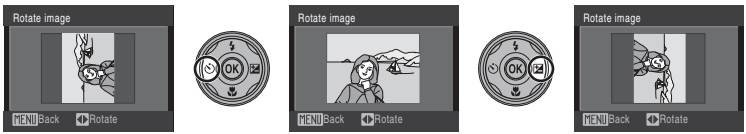
Protected pictures are recognized by the icon (📖 7, 47).

Rotate Image

Press the ▶ button (Playback mode) ➔ MENU (Playback menu) ➔ Rotate image

After shooting, set the orientation in which pictures are displayed during playback. Pictures can be rotated 90° clockwise or counterclockwise. Pictures that were recorded in the portrait (vertical) orientation can be rotated up to 180° in either direction.

Select a picture in the picture selection screen (📖 106). When the **Rotate image** screen is displayed, press the multi selector ◀ or ▶ to rotate the picture 90°.



Rotate 90° counterclockwise

Rotate 90° clockwise

Press the OK button to set the orientation displayed, and save the orientation data with the picture.

Copy

Press the ▶ button (Playback mode) ➔ MENU (Playback menu) ➔ Copy

Copy pictures between the internal memory and a memory card.

1 Select an option from the copy screen using the multi selector and press the OK button.

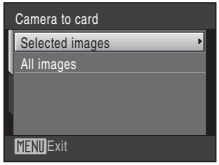
- IN ➔ card: Copy pictures from internal memory to memory card.
- card ➔ IN: Copy pictures from memory card to internal memory.



2 Select a copy option and press the OK button.

Selected images: Copy pictures selected from the picture selection screen (📖 106).

All images: Copy all pictures.



Notes on Copying Pictures

- JPEG-, AVI-, and WAV-format images can be copied. Images recorded in any other formats cannot be copied.
- If voice memos (📖 55) are attached to pictures selected for copying, voice memos are copied with the pictures.
- Sound files recorded using Voice Recording (📖 74) can be copied using the **Copy sound files** option (📖 78) in audio playback mode.
- Pictures taken with another make of camera or that have been modified on a computer cannot be copied.
- When copying pictures for which **Print set** (📖 90) options are enabled, the print set settings will not be copied. However, when copying pictures for which **Protect** (📖 108) is enabled, the protect setting will be copied.
- Pictures copied from the internal memory or a memory card cannot be displayed in auto sort mode (📖 60).
- Even if a picture added to favorites folder (📖 65) is copied, the contents of the favorites folder will not be copied.

Memory contains no images. Message

If there are no pictures stored on the memory card when playback mode is applied, the message **Memory contains no images.** will be displayed. Press the MENU button to display the copy option screen, and copy the pictures stored in the camera's internal memory to the memory card.

More Information

See "Image/Sound File and Folder Names" (📖 130) for more information.

Basic Camera Setup: The Setup Menu

The setup menu contains the following options.

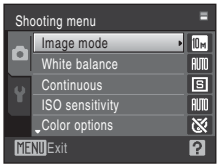
	Electronic VR	📖 113
	Specify the electronic vibration reduction setting for taking still pictures.	
	Menus	📖 114
	Choose how menus are displayed.	
	Welcome screen	📖 114
	Select screen displayed when camera is turned on.	
	Date	📖 115
	Set camera clock and choose home and destination time zones.	
	Monitor settings	📖 118
	Adjust photo information display, post-shooting image review, and monitor brightness settings.	
	Date imprint	📖 119
	Imprint date on pictures.	
	Motion detection	📖 120
	Adjust the motion detection setting to reduce the effects of subject movement and camera shake when taking still pictures.	
	Digital zoom	📖 121
	Adjust settings for using digital zoom.	
	Sound settings	📖 121
	Adjust sound settings.	
	Auto off	📖 122
	Set time before camera enters standby mode.	
	Format memory/Format card	📖 123
	Format internal memory or memory card.	
	Language	📖 124
	Choose the language used for camera monitor display.	
	Video mode	📖 124
	Adjust settings necessary for connection to television.	
	Blink warning	📖 124
	Set whether or not to detect human subjects with eyes closed when shooting with the face priority (📖 102).	
	Reset all	📖 126
	Restore camera settings to default values.	
	Firmware version	📖 128
	Display camera firmware version.	

Displaying the Setup Menu

Choose tab in the menu screen.

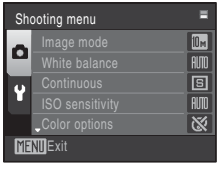
1 Press the MENU button to display the menu screen.



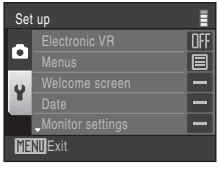


2 Press the multi selector ◀.

Tab will be selectable.

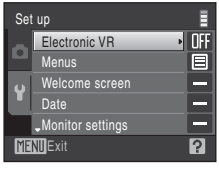


3 Press ▲ or ▼ to select the tab.



4 Press ▶ or the OK button.

The setup menu items are selectable.



Use the multi selector to choose and apply settings (📖 9).

To exit the setup menu, press the MENU button or ◀ to select other tabs.

Electronic VR

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Electronic VR

Choose whether to use electronic VR (vibration reduction) when taking still pictures.

Auto

When all of the following conditions are met while taking still pictures, electronic VR is applied and the effects of camera shake are reduced.
- The flash is turned off or set to slow sync mode.
- The shutter speed is slow.
- The **Continuous** setting is set to **Single**.

Off (default setting)

Electronic VR is disabled.

When **Auto** is selected, appears on the monitor (📖 6), and electronic VR is applied depending on shooting conditions.

Notes on Electronic Vibration Reduction

- Except during slow sync mode, **Electronic VR** will not activate when flash is used.
- If the exposure period exceeds a certain period of time, **Electronic VR** will not function.
- The effectiveness of **Electronic VR** decreases as camera shake increases.
- **Electronic VR** does not reduce the effects of subject movement.
- Saving a picture on which **Electronic VR** is applied may take some time.
- **Electronic VR** will not activate when sensitivity is ISO 800 or above.
- **Electronic VR** cannot be used together with date imprint (📖 119). When using date imprint, setting **Electronic VR** to **Auto** automatically changes the date imprint setting to **Off**.
- **Electronic VR** and auto flash with red-eye reduction cannot be used together.

Electronic VR for Movies

To compensate for vibration while shooting a movie, go to the movie menu (📖 71) and enable **Electronic VR** (📖 72).

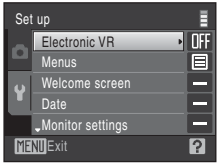
Menus

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Menus

Choose the initial menus displayed.

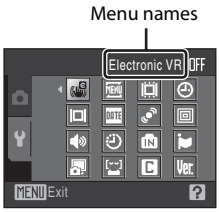
Text (default setting)

Menus are displayed in list format.



Icons

All menu items can be displayed in a single page.



Welcome Screen

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Welcome screen

You can select the welcome screen to be displayed when the camera is turned on.

None (default setting)

No welcome screen will be displayed.

COOLPIX

Displays a welcome screen.

Select an image

Select a picture in the internal memory or on the memory card for the welcome screen. Choose a picture in the picture selection screen and press the OK button. As the selected image is stored in the camera, the image will appear in the welcome screen even if the original picture is deleted.

Pictures taken at an **Image mode** setting of **16:9 (3584)** (📖 93), and copies created at a size of 320 × 240 size or smaller using the crop (📖 53) or small picture (📖 54) function, cannot be used.

Date

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Date

Set the camera clock and choose home and travel destination time zones.

Date

Set camera clock to current date and time.
Use the following controls to set the date and time.
- ◀ and ▶: highlight a different item (day, month, year, hour, minute, and the order in which day, month, and year are displayed)
- ▲ and ▼: edit the highlighted item
- The OK button: apply the setting

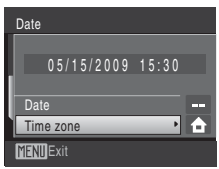
Time zone

(home time zone) can be specified and daylight saving enabled or disabled from **Time zone** options. When (travel destination) is selected, the time difference (📖 117) is automatically calculated and the date and time in the selected region are recorded. Useful when travelling.

Setting Travel Destination Time Zone

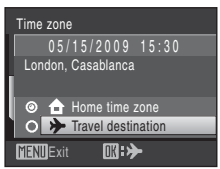
1 Use the multi selector to choose **Time zone** and press the OK button.

The time zone menu is displayed.



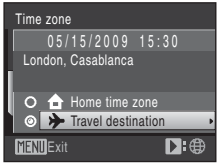
2 Choose and press the OK button.

The date and time displayed on the monitor change according to the region currently selected.



3 Press ▶.

The time zone selection screen is displayed.



4 Press ◀ or ▶ to choose the travel destination time zone.

If the daylight saving time is in effect, press ▲ to turn on the daylight saving time option. When the option is enabled, is displayed at the top of the monitor, and the time is advanced one hour.



To turn off the daylight saving time option, press ▼.

Press the OK button to choose the travel destination time zone.

While the travel destination time zone is selected, the icon will be displayed in the monitor when the camera is in shooting mode.

The Clock Battery

The clock battery charges when the main battery is installed or an AC adapter is connected, and can provide several days of backup power after about ten hours of charging.

(Home Time Zone)

- To switch to the home time zone, choose **Home time zone** in step 2 and press the OK button.
- To change the home time zone, choose **Home time zone** in step 2 and perform steps 3 and 4, to set the home time zone.

Daylight Saving Time

When daylight saving time starts or ends, turn the daylight saving time option on or off from the time zone selection screen displayed in step 4.

Time Zones

The camera supports the time zones listed below. For time differences not listed below, set the camera clock to local time.

UTC +/–	Location
–11	Midway, Samoa
–10	Hawaii, Tahiti
–9	Alaska, Anchorage
–8	PST (PDT): Los Angeles, Seattle, Vancouver
–7	MST (MDT): Denver, Phoenix
–6	CST (CDT): Chicago, Houston, Mexico City
–5	EST (EDT): New York, Toronto, Lima
–4	Caracas, Manaus
–3	Buenos Aires, Sao Paulo
–2	Fernando de Noronha
–1	Azores
±0	London, Casablanca

UTC +/–	Location
+1	Madrid, Paris, Berlin
+2	Athens, Helsinki, Ankara
+3	Moscow, Nairobi, Riyadh, Kuwait, Manama
+4	Abu Dhabi, Dubai
+5	Islamabad, Karachi
+5.5	New Delhi
+6	Colombo, Dhaka
+7	Bangkok, Jakarta
+8	Beijing, Hong Kong, Singapore
+9	Tokyo, Seoul
+10	Sydney, Guam
+11	New Caledonia
+12	Auckland, Fiji

Monitor Settings

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Monitor settings

Choose whether or not to display information in the monitor, and set the monitor brightness.

Photo info

Choose information displayed in the monitor during shooting and playback mode.

Image review

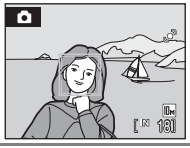
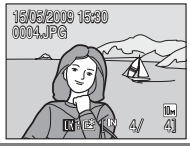
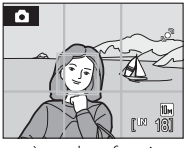
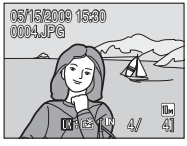
On (default setting): Picture is automatically displayed in the monitor immediately after it is taken and the monitor display returns to shooting mode.
Off: Picture is not displayed after it is taken.

Brightness

Choose from five settings for monitor brightness. The default setting is **3**.

Photo Info

The following display options are available.
See "The Monitor" (📖 6) for information on indicators in the monitor.

	Shooting mode	Playback mode
Show info		
Auto info (default setting)	The current settings or operation guide is displayed for a few seconds, as in **Show info** above. After a few seconds, display will be the same as **Hide info**.	
Hide info		
Framing grid	 In (auto) mode, a framing grid appears to help frame pictures, in addition to **Auto info** display information. In other modes, the display is the same **Auto info**.	 The current settings or operation guide is displayed, as in **Auto info** above.

Date Imprint

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Date imprint

The date and time of recording can be imprinted directly onto pictures, allowing the information to be printed even from printers that do not support date printing (📖 91).

Off (default setting)

Date and time are not imprinted on pictures.

Date

Date is imprinted on the bottom right corner of pictures taken while this option is in effect.

Date and time

Date and time are imprinted on the bottom right corner of pictures taken while this option is in effect.

At settings other than **Off**, the icon for the current setting is displayed in the monitor (📖 6).

Date Imprint

- Imprinted dates form a permanent part of image data and cannot be deleted. Date cannot be imprinted on pictures after they are taken.
- Dates imprinted at an **Image mode** setting (📖 93) of **TV screen (640)** may be difficult to read. Choose **PC screen (1024)** or larger when using date imprint.
- The date is recorded using the format selected in the setup menu's **Date** item (📖 16, 115).
- Date imprint cannot be used together with **Electronic VR** (📖 113). Selecting date imprint while **Electronic VR** is set to **Auto** automatically changes **Electronic VR** to **Off**.
- The date is not imprinted in the following situations:
 - pictures taken in **Sports** (📖 35), **Museum** (📖 38), or **Panorama assist** (📖 39) scene mode
 - pictures taken with **On** selected for **Blink proof** (📖 46) in smile mode
 - pictures taken with **Continuous** or **BSS** selected for the **Continuous** setting in the shooting menu (📖 97)
 - movies (📖 70)

Date Imprint and Print Set

When printing from DPOF-compatible printers which support printing of shooting date and photo information, the date and information can be printed on pictures without date and time imprinted on them, using options in the **Print set** menu (📖 90).

Motion Detection

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Motion detection

Enable motion detection to reduce the effects of subject movement and camera shake when shooting still pictures.

Auto (default setting)

When the camera detects the camera shake or subject movement, the shutter speed will be increased for reducing the effects of them.
However, motion detection does not function in the following situations.

- When the flash mode is set to (fill flash)
- When the **ISO sensitivity** option (📖 99) is set to **High ISO sensitivity auto** or ISO sensitivity is fixed at a particular value in (auto) mode
- When **Continuous** (📖 97) is set to **Multi-shot 16**
- When shooting in some scene modes (📖 34)

Off

Motion detection is not enabled.

At settings other than **Off**, the icon for the current setting is displayed in the monitor (📖 6, 21). When the camera detects subject movement or camera shake and the shutter speed is increased, the motion detection icon will turn green.

Notes on Motion Detection

- Motion detection may be unable to completely eliminate the effects of the subject movement and camera shake in some situations.
- Motion detection may not function if the subject exhibits significant movement or is too dark.
- The pictures taken may become somewhat grainy.

Digital Zoom

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Digital zoom

Adjust settings for using digital zoom.

On (default setting)

When the camera is zoomed in to the maximum optical zoom position, rotating the zoom control to **T** triggers digital zoom (📖 23).

Off

Digital zoom will not be activated (except when shooting a movie).

Notes on Digital Zoom

- When digital zoom is in effect, **AF area mode** is set to **Center** (📖 100).
- Digital zoom cannot be used in the following situations.
 - When **Scene auto selector**, **Portrait**, or **Night portrait** is selected in scene mode
 - When smile mode is selected
 - When **Continuous** (📖 97) is set to **Multi-shot 16**
 - Just before recording a movie (Up to 2× zoom can be activated while recording movies)

Sound Settings

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Sound settings

Adjust the following sound settings.

Button sound

Turn button sound **On** or **Off**.
When **On** (default setting) is selected, a beep will sound once when operations are completed successfully, twice when focus has been locked, and three times when an error is detected. Start-up sound will also play when the camera is turned on.

Shutter sound

Choose shutter sound from **On** (default setting) or **Off**.

Auto Off

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Auto off

When the camera is on and a period of time passes without any operations having been performed, the camera will enter standby mode (📖 15) to save power. Once the camera has entered standby mode, the power-on lamp will blink, and if no operations are performed for another three minutes, the camera will turn off.

Choose the time allowed to elapse before the camera enters standby mode if no operations are performed from **30 s**, **1 min** (default setting), **5 min**, and **30 min**.

Canceling Standby Mode

Cancel standby mode and reactivate the monitor by pressing any of the following buttons.

- the power switch
- the shutter-release button
- the button
- the button

Note on Auto Off

Regardless of the option selected, the monitor will remain on for three minutes when menus are displayed, a maximum of 30 minutes during slide show playback, and 30 minutes when the AC adapter is connected.

Format Memory/Format Card

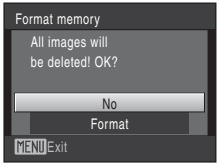
Press the MENU button ➔ (Setup menu) (📖 112) ➔ Format memory/Format card

Use this option to format the internal memory or a memory card.

Formatting the Internal Memory

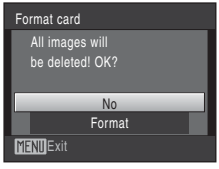
To format the internal memory, remove the memory card from the camera.

The **Format memory** option appears in the setup menu.



Formatting a Memory Card

When the memory card is inserted in the camera, the **Format card** option appears in the setup menu.



Formatting Internal Memory and Memory Cards

- Formatting the internal memory or memory cards permanently deletes all data. Be sure to transfer important pictures to a computer before formatting.
- Formatting the internal memory or memory card restores favorites folder icon settings (📖 64) to the default setting (displayed as number).
- Do not turn the camera off, or open the battery-chamber/memory card slot cover during formatting.
- The first time you insert the memory cards used in other devices into the COOLPIX S220/S225, be sure to format them using this camera.

Language

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Language

Choose one of 24 languages for display of camera menus and messages.

Čeština	Czech	**Polski**	Polish
Dansk	Danish	**Português**	Portuguese
Deutsch	German	**Русский**	Russian
English	(default setting)	**Suomi**	Finnish
Español	Spanish	**Svenska**	Swedish
Ελληνικά	Greek	**Türkçe**	Turkish
Français	French	**中文简体**	Simplified Chinese
Indonesia	Indonesian	**中文繁體**	Traditional Chinese
Italiano	Italian	**日本語**	Japanese
Magyar	Hungarian	**한글**	Korean
Nederlands	Dutch	**ภาษาไทย**	Thai
Norsk	Norwegian	**عربي**	Arabic

Video Mode

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Video mode

Adjust settings for connection to a television. Choose from **NTSC** and **PAL**.

Blink Warning

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Blink warning

Set whether or not to detect human subjects with eyes closed when shooting with the face priority (📖 102) in (auto) (📖 20), **Scene auto selector** scene mode (📖 40), **Portrait** scene mode (📖 34), or **Night portrait** scene mode (📖 35).

On (default setting)

When the camera detects that one or more human subjects may have closed eyes shortly after recognizing the faces and shooting them, the blink warning screen will appear in the monitor.
The face of a portrait subject, whose eyes may have been closed when the shutter was released, is framed by a yellow border. Should this occur, check the picture and decide whether or not another picture should be taken.

Off

Blink warning is not enabled.

Operating the Blink Warning Screen

When the camera detects any human subjects with closed eyes, the blink warning screen is displayed and then, the screen shown at right will appear.

The following operations are available in the blink warning screen.

If no operations are performed for a few seconds, the camera automatically returns to shooting mode.



Option	Use	Description
Enlarge and display the detected face	**T** (🔍)	Rotate the zoom control to **T** (🔍).
Switch to full-frame playback	**W** (▦)	Rotate the zoom control to **W** (▦).
Select the face to display		If the camera detects more than one human subjects with their eyes closed, press ▲, ▼, ◀, or ▶ during the enlarged display to switch over the faces (up to 12 faces).
Delete the picture	🗑	Press the 🗑 button.
Switch to shooting mode		Press the ⓞ button or the shutter-release button.

Reset All

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Reset all

When **Reset** is selected, the camera's settings will be restored to their default values.

Pop-up Menu

Option	Default value
Flash mode (📖 28)	Auto
Self-timer (📖 30)	Off
Macro mode (📖 31)	Off
Exposure compensation (📖 32)	0.0

Scene Mode

Option	Default value
Scene mode setting in the shooting-mode selection menu (📖 33)	Scene auto selector
White balance in Food mode (📖 41)	Center

Smile Menu

Option	Default value
Blink proof (📖 46)	On

Movie Menu

Option	Default value
Movie options (📖 71)	TV movie 640★
Electronic VR (📖 72)	Off

Shooting Menu

Option	Default value
Image mode (📖 93)	Normal (3648)
White balance (📖 95)	Auto
Continuous (📖 97)	Single
Intvl timer shooting (📖 98)	30 s
ISO sensitivity (📖 99)	Auto
Color options (📖 99)	Standard color
AF area mode (📖 100)	Face priority
Distortion control (📖 103)	Off

Setup Menu

Option	Default value
Menus (📖 114)	Text
Welcome screen (📖 114)	None
Photo info (📖 118)	Auto info
Image review (📖 118)	On
Brightness (📖 118)	3
Date imprint (📖 119)	Off
Motion detection (📖 120)	Auto
Digital zoom (📖 121)	On
Button sound (📖 121)	On
Shutter sound (📖 121)	On
Auto off (📖 122)	1 min
Blink warning (📖 124)	On

Others

Option	Default value
Paper size (📖 86, 87)	Default
Slide show (📖 107)	3 s

- Choosing **Reset all** also clears the current file number (📖 130) from the memory. Numbering will continue from the lowest number available. To reset file numbering to "0001", delete all pictures (📖 108) before selecting **Reset all**.
- The following menu settings will remain unaffected when menus are reset with **Reset all**.
 Shooting menu: Preset manual data (📖 96) acquired for **White balance**
 Setup menu: **Electronic VR** (📖 113), Picture selected for **Welcome screen** (📖 114), **Date** (📖 115), **Language** (📖 124), and **Video mode** (📖 124)

Firmware Version

Press the MENU button ➔ (Setup menu) (📖 112) ➔ Firmware version

View the current camera firmware version.

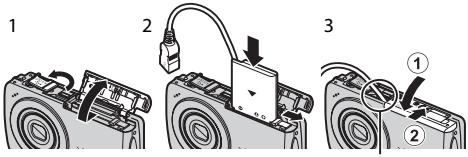
COOLPIX S220



COOLPIX S225



Optional Accessories

Rechargeable battery	Rechargeable Li-ion Battery EN-EL10
Battery charger	Battery Charger MH-63
AC adapter	AC Adapter EH-62D <How to attach EH-62D>  Check that the AC adapter cord has been inserted correctly into the battery chamber before closing the battery-chamber/memory card slot cover. If part of the cord has not been inserted into the chamber the cover may be damaged during closure.
USB cable	USB Cable UC-E6
AV cable	Audio Video Cable EG-CP14

Approved Memory Cards

The following Secure Digital (SD) memory cards have been tested and approved for use in this camera.

All cards of the designated make and capacity can be used, regardless of speed.

SanDisk	512 MB, 1 GB, 2 GB[1], 4 GB[2], 8 GB[2], 16 GB[2]
TOSHIBA	512 MB, 1 GB, 2 GB[1], 4 GB[2], 8 GB[2], 16 GB[2]
Panasonic	512 MB, 1 GB, 2 GB[1], 4 GB[2], 8 GB[2], 16 GB[2]
Lexar	1 GB, 2 GB[1], 4 GB[2], 8 GB[2]

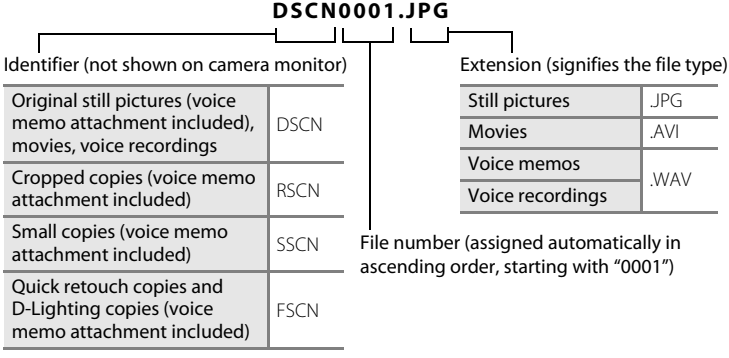
[1] If the memory card will be used with a card reader or similar device, check that the device supports 2 GB cards.

[2] SDHC compliant.
If the memory card will be used with a card reader or similar device, check that device supports SDHC.

Operation is not guaranteed with other makes of card. Contact the manufacturer for details on the above cards.

Image/Sound File and Folder Names

Pictures, movies, voice memos and voice recordings are assigned file names as follows.



- Files are stored in folders named with a folder number followed by a five-character identifier: "P_" plus a three-digit sequence number for pictures taken using Panorama assist (e.g. "101P_001"; 📖 43), "INTVL" for interval timer photography (e.g. "101INTVL"; 📖 98), "SOUND" for voice recordings (e.g. "101SOUND"; 📖 74), and "NIKON" for all other pictures (e.g. "100NIKON"). When the number of files within a folder reaches 9999, a new folder will be created. File numbers will be assigned automatically starting with "0001."
- Voice memo file names have the same identifier and file number as the picture to which the voice memo is attached.
- Files copied using **Copy**>**Selected images** or **Copy sound files**>**Selected files** are copied to the current folder, where they are assigned new file numbers in ascending order starting from the largest file number in memory. **Copy**>**All images** and **Copy sound files**>**Copy all files** copy all folders from the source medium; file names do not change but new folder numbers are assigned in ascending order, starting from the largest folder number on the destination medium (📖 78, 109).
- A single folder can hold up to 200 pictures; if the current folder already contains 200 pictures, a new folder, named by adding one to the current folder name, will be created the next time a picture is taken. If the current folder is numbered 999 and contains 200 pictures, or a picture is numbered 9999, no further pictures can be taken until the internal memory or memory card is formatted (📖 123), or a new memory card is inserted.

Caring for the Camera

To ensure continued enjoyment of this Nikon product, observe the following precautions when using or storing the device:

☑ Keep dry

The device will be damaged if immersed in water or subjected to high humidity.

☑ Do not drop

The product may malfunction if subjected to strong shock or vibration.

☑ Handle the lens and all moving parts with care

Do not apply force to the lens, lens cover, monitor, memory card slot or battery chamber. These parts are easily damaged. Applying force to the lens cover could result in camera malfunction or damage to the lens. Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent the liquid crystal from the display touching the skin or entering the eyes or mouth.

☑ Do not point the lens at strong light sources for extended periods

Avoid pointing the lens at the sun or other strong light sources for extended periods when using or storing the camera. Intense light may cause deterioration of the CCD image sensor, producing a white blur effect in photographs.

☑ Keep away from strong magnetic fields

Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields. Strong static charges or the magnetic fields produced by equipment such as radio transmitters could interfere with the monitor, damage data stored on the memory card, or affect the product's internal circuitry.

☑ Avoid sudden changes in temperature

Sudden changes in temperature, such as when entering or leaving a heated building on a cold day, can cause condensation to form inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

☑ Turn the product off before removing or disconnecting the power source

Do not remove the battery while the product is on, or while images are being recorded or deleted. Forcibly cutting power in these circumstances could result in loss of data or in damage to product memory or internal circuitry.

The Battery

- Check the battery level when taking the camera out, and charge the battery if necessary. Do not continue charging once the battery is fully charged, as this will result in reduced battery performance. If possible, carry a fully-charged spare battery when taking pictures on important occasions.
- Do not use the battery at ambient temperatures below 0 °C (32 °F) or above 40 °C (104 °F).
- Charge the battery indoors with an ambient temperature of 5 °C to 35 °C (41 °F to 95 °F) before use.
- Note that the battery may become hot during use; wait for the battery to cool before charging. Failure to observe these precautions could damage the battery, impair its performance or prevent it from charging normally.
- On cold days, the capacity of batteries tends to decrease. Be sure that the battery is fully charged before heading outside to take pictures in cold weather. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.
- Dirt on the battery terminals can prevent the camera from functioning. Should the battery terminals become dirty, wipe them off with a clean, dry cloth before use.
- If the battery will not be used for some time, insert it in the camera and run it flat before removing it for storage. The battery should be stored in a cool location with an ambient temperature of 15 to 25 °C (59 to 77 °F). Do not store the battery in hot or extremely cold locations.
- Always remove the battery from the camera or battery charger when it is not being used. Left installed, minute amounts of current flow even when unused, and the battery may become excessively drained and no longer function. Turning the camera on or off while the battery is exhausted can result in reduced battery life.
- Recharge it at least once every six months and run it flat before returning it to storage.
- After removing the battery from the camera or battery charger, place it in the supplied battery case and store in a cool place.
- A marked drop in the time a fully-charged battery retains its charge, when used at room temperature, indicates that the battery needs to be replaced. Purchase a new EN-EL10 battery.
- Replace the battery when it no longer holds a charge. Used batteries are a valuable resource. Recycle used batteries in accordance with local regulations.

Cleaning

Lens	Avoid touching glass parts with your fingers. Remove dust or lint with a blower (typically a small device with a rubber bulb attached to one end that is pumped to produce a stream of air out the other end). To remove fingerprints or other stains that cannot be removed with a blower, wipe the lens with a soft cloth, using a spiral motion that starts at the center of the lens and working toward the edges. If this fails, clean the lens using a cloth lightly dampened with commercial lens cleaner.
Monitor	Remove dust or lint with a blower. To remove fingerprints and other stains, clean the monitor with a soft, dry cloth, being careful not to apply pressure.
Body	Use a blower to remove dust, dirt or sand, then wipe gently with a soft, dry cloth. After using the camera at the beach or seaside, wipe off any sand or salt with a dry cloth lightly dampened with fresh water, then dry thoroughly. ***Note that foreign matter inside the camera could cause damage not covered by the warranty.***

Do not use alcohol, thinner, or other volatile chemicals.

Storage

Turn the camera off when not in use. Check that the power-on lamp is off before putting the camera away. Remove the battery if the camera will not be used for an extended period. Do not store the camera with naphtha or camphor moth balls, or in any of the following locations:

- Next to equipment that produces strong electromagnetic fields, such as televisions or radios
- Exposed to temperatures below –10 °C (14 °F) or above 50 °C (122 °F)
- Poorly ventilated or subject to humidities of over 60 %

To prevent mold or mildew, take the camera out of storage at least once a month. Turn the camera on and release the shutter a few times before putting the camera away again.

Notes on the Monitor

- The monitor may contain a few pixels that are always lit or that do not light. This is a characteristic common to all TFT LCD displays, and does not indicate a malfunction. Images recorded using the product will not be affected.
- When framing bright subjects, vertical comet-like streaks that whiten toward either end may appear in the display. This phenomenon, known as "smear," does not appear in the final photograph and does not indicate a malfunction. In shooting modes other than multi-shot 16 continuous or movie, smear has no effect on the images that are recorded.
 When using multi-shot 16 continuous shooting and movie modes, however, we recommend that you avoid shooting bright objects.
- Images in the monitor may be difficult to see under bright lighting.
- The monitor is lit by an LED backlight. Should the monitor begin to dim or flicker, contact your Nikon-authorized service representative.

Error Messages

The following table lists the error messages and other warnings displayed in the monitor, as well as the solutions for dealing with them.

Display	Problem	Solution	🕮
(blinks)	Clock not set.	Set clock.	115
	Battery running low.	Prepare to charge or change battery.	12
Battery exhausted.	Battery exhausted.	Charge or change battery.	12
Battery temperature high	Battery temperature is high.	Turn off camera, and allow battery to cool down before resuming use. After 5 seconds, this message will disappear, the monitor will turn off, and the power-on lamp and flash lamp will blink rapidly. After the lamps blink for three minutes, the camera will turn off automatically. Pressing the power switch also turns off the camera.	15
AF● (● blinks red)	Camera cannot focus.	• Refocus. • Use focus lock.	24, 25 101
Please wait for the camera to finish recording.	Camera cannot perform other operations until recording is complete.	Wait until message clears from display automatically when recording is complete.	25
Memory card is write protected.	Write-protect switch is in "lock" position.	Slide write-protect switch to "write" position.	19
This card cannot be used.	Error accessing memory card.	• Use approved card. • Check that connectors are clean. • Confirm that memory card is correctly inserted.	129 18 18
This card cannot be read.			
Card is not formatted. Format card? No Yes	Memory card has not been formatted for use in COOLPIX S220/S225.	Choose **Yes** and press the OK button to format card, or turn camera off and replace card.	19

Display	Problem	Solution	🕮
ⓘ Out of memory.	Memory card is full.	• Choose smaller image size. • Delete pictures or sound files. • Insert new memory card. • Remove memory card and use internal memory.	93 26, 73, 77 18 18
⚠ Image cannot be saved.	Error occurred while recording picture.	Format internal memory or memory card.	123
	Camera has run out of file numbers.	• Insert new memory card. • Format internal memory or memory card.	18 123
	Picture cannot be used for welcome screen.	Pictures taken with an **Image mode** setting of **16:9 (3584)** or pictures reduced to 320 × 240 size or smaller through cropping and small picture editing cannot be registered as welcome screen.	53, 54, 93
	There is insufficient space to save a copy.	Delete pictures from destination.	108
ⓘ Album is full. No further pictures can be added.	Over 200 pictures have already been added to favorites folder.	• Remove some pictures from favorites folder. • Add to other favorites folders.	66 65
Too many images selected. Remove print marking for other dates? Too many images selected. Remove print marking from other images?	The total number of marked pictures, including those previously marked, is more than 99.	Select **Yes** and press the ⓞ button to remove pictures marked earlier from the current print set. Select **Cancel** and press the ⓞ button to remove pictures just marked from the print set.	–
⚠ Sound file cannot be saved.	Camera has run out of file numbers.	• Insert new memory card. • Format internal memory or memory card.	18 123
ⓘ One or more subjects may have closed their eyes.	Recorded a picture in which one or more subjects may have closed their eyes when picture was taken.	Check the picture in playback mode.	46

Display	Problem	Solution	🕮
ⓘ Image cannot be modified.	Cannot edit selected picture.	Select picture that supports quick retouch, D-Lighting, crop, or small picture.	50
ⓘ Cannot record movie.	Time out error while recording movie.	Choose memory card with faster write speed.	129
ⓘ Memory contains no images.	No pictures in the internal memory or memory card.	To copy picture from internal memory to memory card, press the **MENU** button. The copy option screen will be displayed.	109
	No pictures are contained in the folder selected in auto sort mode.	Select the folder containing the sorted pictures.	62
	No pictures can be played back in auto sort mode.	Playback pictures using playback mode, list by date, or favorite pictures mode.	62
	The picture has not been added to favorites folder.	• Add the picture to favorites folder. • Choose the favorites folder that the picture has been added.	65 66
ⓘ No sound file.	The memory card or internal memory contains no sound files.	Confirm the copy source and destination.	78
ⓘ File contains no image data. ⓘ This file cannot be played back.	File not created with COOLPIX S220/S225.	File cannot be viewed on this camera. View file using the computer or any other devices which was used to create or edit this file.	–
ⓘ This image cannot be deleted.	Picture is protected.	Disable protection.	108
ⓘ Travel destination is in the current time zone.	Destination in same time zone as home.	–	117

Display	Problem	Solution	🕮
Lens error	Lens error.	Turn camera off and then on again. If error persists, contact retailer or Nikon-authorized service representative.	20
Communications error	USB cable disconnected during data transfer to printer.	Turn camera off and reconnect cable.	81, 85
System error	Error has occurred in camera's internal circuitry.	Turn camera off, remove and reinsert battery, and turn camera on. If error persists, contact retailer or Nikon-authorized service representative.	14, 20
Printer error: check printer status.	Printer error.	Check printer. After solving the problem, select **Resume** and press the OK button to resume printing.*	–
Printer error: check paper	Specified size of paper is not loaded in printer.	Load the specified paper, select **Resume** and press the OK button to resume printing.*	–
Printer error: paper jam	Paper has jammed in the printer.	Eject the jammed paper, select **Resume** and press the OK button to resume printing.*	–
Printer error: out of paper	No paper is loaded in printer.	Load the specified paper, select **Resume** and press the OK button to resume printing.*	–
Printer error: check ink	Ink error.	Check ink, select **Resume** and press the OK button to resume printing.*	–
Printer error: out of ink	Running out of ink or ink cartridge is empty.	Replace ink, select **Resume** and press the OK button to resume printing.*	–
Printer error: file corrupt	An error caused by the image file has occurred.	Select **Cancel** and press the OK button to cancel printing.	–

* See the documentation provided with your printer for further guidance and information.

Troubleshooting

If the camera fails to function as expected, check the list of common problems below before consulting your retailer or Nikon-authorized service representative. Refer to the page numbers in the right-most column for more information.

Display, Settings and Power Supply

Problem	Cause/Solution	🕮
Monitor is blank.	• Camera is off. • Battery is exhausted. • Standby mode for saving power: press the power switch, the shutter-release button, the 📷 button, or the ▶ button. • When flash lamp blinks red, wait until flash has charged. • Camera and computer are connected via USB cable. • Camera and TV are connected via AV cable. • Interval timer photography in progress.	20 20 15, 21 29 81 79 98
Monitor is hard to read.	• Adjust monitor brightness. • Monitor is dirty. Clean monitor.	118 133
Camera turns off without warning.	• Battery is low. • Camera has turned off automatically to save power. • Battery is cold.	20 122 132
Date and time of recording are not correct.	• Pictures recorded before clock has been set, and "Date not set" indicator blinks during shooting, will have time stamp of "00/00/0000 00:00"; movies and voice recordings will be dated "01/01/2009 00:00." In calendar display or list by date mode, pictures are recognized as having been taken on 01/01/2009. Set the correct time and date from the **Date** option in the setup menu. • Check camera clock regularly against more accurate timepieces and reset as required.	16, 48 115
No indicators displayed in monitor.	**Hide info** is selected for **Photo info**. Select **Show info**.	118
Date imprint not available.	Camera clock has not been set.	16, 115

Problem	Cause/Solution	🕮
Date not appearing on pictures even when **Date imprint** is enabled.	Date does not appear on movies, on pictures taken using (**Sports** scene mode), (**Museum** scene mode), (**Panorama assist** scene mode), when **Blink proof** is set to **On** in smile mode, when the **Continuous** setting is set to **Continuous** or **BSS**, or when **Electronic VR** is set to **Auto**.	35, 38, 39, 46, 70, 97, 113
Camera settings reset.	Backup battery is exhausted; all settings were restored to their default values.	116
Monitor turns off, and the power-on lamp and flash lamp blink rapidly.	Battery temperature is high. Turn off camera, and allow battery to cool down before resuming use. After the lamps blink for three minutes, the camera will turn off automatically. Pressing the power switch also turns off the camera.	15

Electronically Controlled Cameras

In extremely rare instances, unusual characters may appear in the monitor and the camera may stop functioning. In most cases, this phenomenon is caused by a strong external static charge. Turn the camera off, remove and replace the battery, then turn the camera on again. In the event of continued malfunction, contact your retailer or Nikon-authorized service representative. Note that disconnecting the power source as described above may result in the loss of any data not recorded to internal memory or the memory card at the time the problem occurred. Data already recorded will not be affected.

Shooting

Problem	Cause/Solution	🕮
No picture taken when shutter-release button is pressed.	• When camera is in playback mode, press the button or the shutter-release button. • When menus are displayed, press the **MENU** button. • Battery is exhausted. • When flash lamp blinks, flash is charging.	26 10 20 29
Camera cannot focus.	• The intended subject is one with which autofocus does not perform well. • Focus error. Turn camera off and then on again.	25 20

Problem	Cause/Solution	🕮
Pictures are blurred.	• Use flash. • Use **ISO sensitivity**>**High ISO sensitivity auto** in the shooting menu. • Use electronic vibration reduction or motion detection. • Use **BSS**. • Use tripod and self-timer.	28 99 113, 120 97 30
Bright specks appear in pictures taken with flash.	Flash is reflecting off particles in air. Turn flash off.	29
Flash does not fire.	• Flash is off. • Some scene modes that cannot turn on flash are selected. • mode is selected. • **Continuous**, **Multi-shot 16** or **BSS** is selected for the **Continuous** setting.	28 34-39 70 97
Optical zoom cannot be used.	Optical zoom cannot be used while recording movies.	70
Digital zoom cannot be used.	**Digital zoom** is set to **Off** in the setup menu. Digital zoom is not available in the following situations. • When **Scene auto selector**, **Portrait**, or **Night portrait** is selected for scene mode. • When shooting in smile mode • Just before recording a movie (up to 2× can be applied while recording movies). • When **Multi-shot 16** is selected for the **Continuous** setting.	121 34, 35 45 70 97
Image mode not available.	**Image mode** cannot be adjusted when **Multi-shot 16** is selected for the **Continuous** setting.	97
No sound when shutter is released.	• **Off** is selected for **Sound settings**>**Shutter sound** in setup menu. • **Continuous**, **Multi-shot 16** or **BSS** is selected for the **Continuous** setting in shooting menu. • (**Sports** scene mode) or (**Museum** scene mode) is selected. • mode is selected. • The speaker is being blocked. Do not cover it.	121 97 35, 38 70 4, 22
Pictures appear smeared.	Lens is dirty. Clean lens.	133
Colors are unnatural.	White balance does not match light source.	95

Problem	Cause/Solution	🕮
Randomly spaced bright pixels ("noise") appear in image.	Shutter speed too slow or ISO sensitivity is high as the subject is dark. Noise can be reduced by: • Using flash. • Specifying a lower ISO sensitivity setting. • Using a scene mode which has noise reduction ability.	 28 99 34-39
Pictures are too dark (underexposed).	• Flash is off. • Flash window is blocked. • Subject is beyond flash range. • Adjust exposure compensation. • Select **High ISO sensitivity auto** for **ISO sensitivity** in the shooting menu, or raise the ISO sensitivity. • Subject is backlit. Select (**Backlight** scene mode) or use fill flash.	28 22 28 32 99 28, 39
Pictures are too bright (overexposed).	Adjust exposure compensation.	32
Unexpected results when flash set to (auto with red-eye reduction).	If taking pictures with (auto with red-eye reduction) or fill flash with slow sync and red-eye reduction when scene mode is set to **Night portrait**, In-Camera Red Eye Fix may be applied to areas not affected by red-eye. Use any scene mode other than **Night portrait**, and change the flash to any other settings other than (auto with red-eye reduction) and try shooting again.	28, 35

Playback

Problem	Cause/Solution	🕮
File cannot be played back.	• File or folder was overwritten or renamed by computer or other make of camera. • Interval timer photography in progress: pictures cannot be played back until recording is complete.	– 98
Cannot zoom in on picture.	Playback zoom cannot be used with movies, small pictures, or pictures that have been cropped to below 320 × 240.	–

Problem	Cause/Solution	🕮
Cannot record or play back voice memos.	• Voice memos cannot be appended to movies. • Voice memos cannot be attached to images taken with other cameras. Voice memos that are attached to the image using other cameras cannot be played back on this camera.	73 56
Cannot use quick retouch, D-Lighting, crop, or small picture options.	• These options cannot be used with movies. • These options cannot be used with pictures taken when **16:9 (3584)** is applied in the **Image mode** setting. • Select pictures that support quick retouch, D-Lighting, crop, or small picture. • Camera is unable to edit pictures taken with other cameras. • Other cameras may be unable to play back pictures recorded with this camera.	73 93 50 50 50
Pictures not displayed on television.	• Choose correct **Video mode**. • Memory card contains no pictures. Replace the memory card. Remove the memory card to play back pictures from the internal memory.	124 18
Control settings for favorites folder restore to default settings, or pictures added to favorites are not displayed during favorite pictures playback.	Data in the memory card may not be played back correctly if overwritten on a computer.	–
The recorded pictures are not displayed in auto sort mode.	• The picture you want to display is sorted in a folder other than that you are browsing. • Pictures recorded by a camera other than the COOLPIX S220/S225 or pictures copied using the copy option cannot be displayed in auto sort mode. • Pictures in the internal memory or memory card may not be played back correctly if overwritten on a computer. • Up to 999 pictures and movie files can be added to each folder. If the desired folder already contains 999 pictures, new pictures or movies cannot be added.	60 61 – –

Problem	Cause/Solution	🕮
Nikon Transfer does not start when camera is connected.	• Camera is off. • Battery is exhausted. • USB cable is not correctly connected. • Camera is not recognized by the computer. • Computer is not set to start Nikon Transfer automatically. For more information on Nikon Transfer, refer to help information contained in Nikon Transfer. • Check the compatible operating systems.	20 20 81 – – 80
Pictures to be printed are not displayed.	Memory card contains no pictures. Replace the memory card. Remove the memory card to print pictures from the internal memory.	18
Cannot select paper size with camera.	Paper size cannot be selected from the camera if the printer does not support the paper sizes used by the camera, or the printer automatically selects the paper size. Use the printer to select paper size.	86, 87

Specifications

Nikon COOLPIX S220/S225 Digital Camera

Type	Compact digital camera
Effective pixels	10.0 million
Image sensor	1/2.33-in. CCD; total pixels: approx. 10.34 million
Lens	3× optical zoom, NIKKOR lens
Focal length	6.3-18.9mm (equivalent with 35mm [135] format picture angle: 35-105mm)
f/-number	f/3.1-5.9
Construction	6 elements in 5 groups
Digital zoom	Up to 4× (equivalent with 35mm [135] format picture angle: approx. 420mm)
Vibration reduction	Electronic VR
Autofocus (AF)	Contrast-detect AF
Focus range (from lens)	• Approx. 60 cm (2 ft.) to ∞ • Macro mode: Approx. 10 cm (4 in.) to ∞(when the zoom indicator is positioned below on wide-angle side)
Focus-area selection	Auto (9-area automatic selection), center, manual with 99 focus areas, face priority
Monitor	2.5-in., approx. 150k-dot, TFT LCD and 5-level brightness adjustment
Frame coverage (shooting mode)	Approx. 97 % horizontal and 97 % vertical
Frame coverage (playback mode)	Approx. 100 % horizontal and 100 % vertical
Storage	
Media	• Internal memory (approx. 44 MB) • SD (Secure Digital) memory cards
File system	DCF, Exif 2.2, and DPOF compliant
File formats	Compressed: JPEG-Baseline compliant Movies: AVI Sound files: WAV
Image size (pixels)	• 3,648 × 2,736 **High (3648★)/Normal (3648)** • 2,592 × 1,944 **Normal (2592)** • 2,048 × 1,536 **Normal (2048)** • 1,024 × 768 **PC screen (1024)** • 640 × 480 **TV screen (640)** • 3,584 × 2,016 **16:9 (3584)**

ISO sensitivity (Standard output sensitivity)	ISO 80, 100, 200, 400, 800, 1600, 2000, Auto (auto gain from ISO 80 to 800), High ISO sensitivity auto (ISO 80 to 1600)
Exposure	
Metering	256-segment matrix, center-weighted (digital zoom less than 2×), spot (digital zoom 2× or more)
Exposure control	Programmed auto exposure with motion detection and exposure compensation (–2.0 to +2.0 EV in steps of 1/3 EV)
Range (ISO 100)	[W]: 0.3 to 14.7 EV [T]: 2.1 to 16.4 EV
Shutter	Mechanical and charge-coupled electronic shutter
Speed	1/1000–2 s 4 s (when scene mode is set to **Fireworks show**)
Aperture	Electronically-controlled preset aperture
Range	2 steps (f/3.1 and f/4.6 [W])
Self-timer	Can be selected from 10 and 2 second duration
Built-in flash	
Range (approx.) (ISO sensitivity: **Auto**)	[W]: 0.6 to 4.6 m (2 to 15 ft.) [T]: 0.6 to 2.5 m (2 to 8 ft.)
Flash control	TTL auto flash with monitor preflashes
Interface	Hi-Speed USB
Data Transfer Protocol	MTP, PTP
Video output	Can be selected from NTSC and PAL
I/O terminal	Audio video output/digital I/O (USB)
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, Greek, German, Hungarian, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Norwegian, Russian, Spanish, Swedish, Thai, Turkish
Power sources	One EN-EL10 Rechargeable Li-ion Battery (supplied) AC Adapter EH-62D (available separately)
Battery life*	Approx. 180 shots (EN-EL10)
Dimensions (W × H × D)	Approx. 89.5 × 55.5 × 18 mm (3.5 × 2.2 × 0.7 in.) (excluding projections)
Weight	Approx. 100 g (3.5 oz.) (without battery and SD memory card)
Operating environment	
Temperature	0 to 40 °C (32 to 104 °F)
Humidity	Less than 85 % (no condensation)

- Unless otherwise stated, all figures are for a camera with a fully-charged Rechargeable Li-ion Battery EN-EL10 operated at an ambient temperature of 25 °C (77 °F).

* Based on Camera and Imaging Products Association (CIPA) standards for measuring the life of camera batteries. Measured at 23 °C (73 °F); zoom adjusted with each shot, flash fired with every other shot, image mode set to **Normal (3648)**. Battery life may vary depending on shooting interval and length of time menus and images are displayed.

Rechargeable Li-ion Battery EN-EL10

Type	Rechargeable lithium-ion battery
Rated capacity	DC 3.7 V, 740 mAh
Operating temperature	0 to 40 °C (32 to 104 °F)
Dimensions (W × H × D)	Approx. 31.5 × 39.5 × 6 mm (1.2 × 1.6 × 0.2 in.) (excluding projections)
Weight	Approx. 15 g (0.5 oz) (excluding battery case)

Battery Charger MH-63

Rated input	AC 100-240 V, 50/60 Hz, 0.07-0.045 A
Rated capacity	7-10.8 VA
Rated output	DC 4.2 V, 0.55 A
Battery	Rechargeable Li-ion Battery EN-EL10
Charging time	Approx. 100 minutes when battery is fully discharged
Operating temperature	0 to 40 °C (32 to 104 °F)
Dimensions (W × H × D)	Approx. 54 × 20 × 85 mm (2.1 × 0.8 × 3.3 in.) (excluding power cable)
Length of power cable	Approx. 1.8 m (6 ft.)
Weight	Approx. 55 g (1.9 oz) (excluding power cable)

Specifications

Nikon will not be held liable for any errors this manual may contain. The appearance of this product and its specifications are subject to change without notice.

Supported Standards

- **DCF**: Design Rule for Camera File System is a standard widely used in the digital camera industry to ensure compatibility among different makes of camera.
- **DPOF**: Digital Print Order Format is an industry-wide standard that allows pictures to be printed from print orders stored on the memory card.
- **Exif version 2.2**: This camera supports Exif (Exchangeable Image File Format for Digital Still Cameras) version 2.2, a standard that allows information stored with photographs to be used for optimal color reproduction when images are output from Exif-compliant printers.
- **PictBridge**: A standard developed cooperatively by the digital camera and printer industries, allowing photographs to be output directly to a printer without connecting the camera to a computer.

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